

20020830.qrp v02_n663.qrl.20020830

Date: Fri, 30 Aug 2002 19:03:06 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2663

QRP-L Digest 2663

Topics covered in this issue include:

- 1) [133683] Re: QRP Motto
by "John J. McDonough" <wb8rcr@arrl.net>
- 2) [133684] Re: FOX: AC7A Tonight 8-29
by Dave Richards <wr3i@earthlink.net>
- 3) [133685] Re: Rigs TOO SMALL!
by Dave Fouchey <dafouchey@comcast.net>
- 4) [133686] QRP ON 30 METERS
by Wayne AA5JJ <aa5jj@yahoo.com>
- 5) [133687] Re: Rigs TOO SMALL!
by David Hinerman <WD8CIV@worldnet.att.net>
- 6) [133688] WTB or trade
by <mgoins@usa.net>
- 7) [133689] RE: Crystal and ceramic filters specifications
by "Prof. Arnaldo Coro Antich" <inforhc@ip.etecsa.cu>
- 8) [133690] FOX: Truffle FOX this evening?
by "Tom Palmer" <n1tp@swfla.rr.com>
- 9) [133691] FOX: N4DD TONIGHT!!!! ALMOST FOX TIME
by "Dennis Brickey" <n4dd@preferred.com>
- 10) [133692] September Spartan Sprint Announcement
by "John Huffman" <hjohnc@core.com>
- 11) [133693] Re: Rigs TOO SMALL!
by "Jim Stamper" <jstamper@shentel.net>
- 12) [133694] Re: Stealth Antennas
by Rick McKee <kc8aon@juno.com>
- 13) [133695] Re: Stealth Antennas
by Rick McKee <kc8aon@juno.com>
- 14) [133696] Steath Twinlead??
by "Dean LaClair - Adk-Com" <nr2v@northnet.org>
- 15) [133697] Re: QRP ON 30 METERS
by "K7FD N7SG" <k7fd@hotmail.com>
- 16) [133698] AY1FZR (LU) - 14.027 @ 0153Z
by David Gauding <david.gauding@bbs.galilei.com>
- 17) [133699] RE: Stealth Antennas
by Karl Kanalz <kkanalz@gcecispc.com>
- 18) [133700] Truffle Hunt tonight - B A D N I T E
by "W8DIZ" <w8diz@fpqrp.com>
- 19) [133701] Re: Stealth Antennas

by "Ian Wilson" <ianmwilson@earthlink.net>
20) [133702] Re: Rigs TOO SMALL!
by "Rob Matherly" <w0jrm@arrl.net>
21) [133703] PLAGIARISM/QUOTATIONS
by "W2WU" <w2wurjj@verizon.net>
22) [133704] SLV vertical...
by Bruce Rattray <rattray@gpfn.sk.ca>
23) [133705] FOX: Where is everyone. I'm straight up @ 14.055
by "Dennis Brickey" <n4dd@preferred.com>
24) [133706] Re: PLAGIARISM/QUOTATIONS
by Paul Womble <pwomble1@tampabay.rr.com>
25) [133707] Re: Steath Twinlead??
by David Gauding <david.gauding@bbs.galilei.com>
26) [133708] Re: Crystal and ceramic filters specifications
by "Joe W2KJ" <w2kj@earthlink.net>
27) [133709] Re: Crystal and ceramic filters specifications
by "Joe W2KJ" <w2kj@earthlink.net>
28) [133710] FOX Double
by "Jay Henson" <aj4ay@worldnet.att.net>
29) [133711] Re: New Icom QRP radio
by "Toru Kato" <ah2ce@ybb.ne.jp>
30) [133712] Re: SLV vertical...
by "George, W5YR" <w5yr@att.net>
31) [133713] Stuff that works
by Pete Burbank <plburbank@kih.net>
32) [133714] Measuring binocular cores
by "Bob Tellefsen" <n6wg@earthlink.net>
33) [133715] Re: Measuring binocular cores
by "Leon Heller" <leon_heller@hotmail.com>
34) [133716] Updates in my web
by "Juan A. Bertolin" <ea5xq@qsl.net>
35) [133717] Re: SLV vertical...
by Scotty Wright <zydeco9214@yahoo.com>
36) [133718] Paul (NA5N)
by John R Kirby <n3aaz-qrp@juno.com>
37) [133719] RE: QRP Homebuilder Site
by "Juanjo Pastor" <ec5aca@wanadoo.es>
38) [133720] RE: CQ East Coast once more...
by "Juanjo Pastor" <ec5aca@wanadoo.es>
39) [133721] Re: Measuring binocular cores
by "w8diz" <w8diz@fpqrp.com>
40) [133722] RE: QRP Homebuilder Site
by "Leon Heller" <leon_heller@hotmail.com>
41) [133723] Re: New Icom QRP radio
by Thomas Jennings <jennings@eznet.net>
42) [133724] Strange fox night
by "Jim Stamper" <jstamper@shentel.net>
43) [133725] Re: PLAGIARISM/QUOTATIONS

- by W2AGN <w2agn@w2agn.net>
- 44) [133726] Re: FOX Double
by "John J. McDonough" <wb8rcr@arrl.net>
- 45) [133727] Re: New Icom QRP radio
by "John J. McDonough" <wb8rcr@arrl.net>
- 46) [133728] Re: ANTENNAS: LOOP CONSTRUCTION/JOINTS
by "E. Roswell" <eroswell@monmouth.com>
- 47) [133729] Re: Paul (NA5N)
by "Karl F. Larsen" <k5di@zianet.com>
- 48) [133730] FT-301S or SD
by W2AGN <w2agn@w2agn.net>
- 49) [133731] Re: Steath Twinlead??
by "Karl F. Larsen" <k5di@zianet.com>
- 50) [133732] Re: New Icom QRP radio
by "Jack Bennett" <J.Bennett@lboro.ac.uk>
- 51) [133733] Re: Strange fox night
by Thomas Jennings <jennings@eznet.net>
- 52) [133734] Re: [TenTec] New Argonaut V 516 TCXO ?
by "Ken Kirkley" <no4d@charter.net>
- 53) [133735] Re: New Icom QRP radio
by "John J. McDonough" <wb8rcr@arrl.net>
- 54) [133736] Re: New Icom QRP radio
by W2AGN <w2agn@w2agn.net>
- 55) [133737] UPDATED: the "Rock-Mite" files
by "Rod NØRC" <rod@nØrc.us>
- 56) [133738] Re: 88 foot dipole >?<
by Bill Coleman <aa4lr@arrl.net>
- 57) [133739] How I ended up measuring varactor diodes
by Jeff Hecht <jhecht@dnaco.net>
- 58) [133740] AA4BW moving sale nears its end (Aug. 30)
by "Hudson, Steve (RBI-US CMD)" <sdhudson@reedbusiness.com>
- 59) [133741] Re: New Icom QRP Radio
by "Dave Ek" <ekdave@earthlink.net>
- 60) [133742] Rock Box for the Rock-Mite!
by Steven Weber <kd1jv@moose.ncia.net>
- 61) [133743] Re: Rock Box for the Rock-Mite!
by David Hinerman <WD8CIV@worldnet.att.net>
- 62) [133744] [Fwd: KL Net QNS for Sunday 08/25/02]
by "Robert L. Kellogg" <ae4ic@nr.infi.net>
- 63) [133745] Re: Rock Box
by "ss lyon" <sslyon@megalink.net>
- 64) [133746] Binocular cores consensus
by "Bob Tellefsen" <n6wg@earthlink.net>
- 65) [133747] 55 ft dipole :-)
by "Bob Tellefsen" <n6wg@earthlink.net>
- 66) [133748] Re: [Elecraft] K2 spurious 'power' and 'speed' indications
by "Alan Fryer" <N3BJ@hotmail.com>
- 67) [133749] Noise source

by "Leon Heller" <leon_heller@hotmail.com>
68) [133750] Re: Strange fox night
by Bob Nielsen <nielsen@oz.net>
69) [133751] Solar Flare
by W2AGN <w2agn@w2agn.net>
70) [133752] 30 meter noise
by Wayne AA5JJ <aa5jj@yahoo.com>
71) [133753] Re: Steath Twinlead??
by "George, W5YR" <w5yr@att.net>
72) [133754] Re: 30 meter noise
by Fred Lesnick <flesnick@tbaytel.net>
73) [133755] Icom 706mk2G For Sale
by "David J. Adams" <david@theadamsclan.com>
74) [133756] Slightly OT: K2
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
75) [133757] Re: Paul (NA5N)
by "Rob Matherly" <w0jrm@arrl.net>
76) [133758] Re: Paul (NA5N)
by "John_Evans" <jaevas@codenet.net>
77) [133759] K2 wins CQWW (Was Slightly OT: K2)
by "Alan Fryer" <n3bj@hotmail.com>
78) [133760] TS help Needed: Microphonic Rock-Mite
by Rod N0RC <rod@n0rc.us>
79) [133761] Re: Slightly OT: K2
by Bob Nielsen <nielsen@oz.net>
80) [133762] Need FT 817 for measurement
by "Doug Hauff" <dhauff@digitalputty.com>
81) [133763] Re: Solar Flare
by na5n@zianet.com
82) [133764] MityBox Today!
by "Doug Hauff" <dhauff@digitalputty.com>
83) [133765] K2 wins CQWW - Totally Cool!!
by cyr999@extremezone.com
84) [133766] Porta-Paddle shipping/ Sexy Base Ready!
by "Doug Hauff" <dhauff@digitalputty.com>
85) [133767] RE: [Elecrafft] K2 spurious 'power' and 'speed' indications
by Karl Kanalz <kkanalz@gcecispc.com>
86) [133768] Communications Quarterly Fall 1998
by rsstone@juno.com
87) [133769] Re: Paul (NA5N)
by "Doug Hendricks" <ki6ds@dph.dpol.net>
88) [133770] Re: Paul (NA5N)
by "Karl F. Larsen" <k5di@zianet.com>
89) [133771] Re: MRX-40 Testing
by "Chetan Bhargava" <wiz@bhargavaz.net>
90) [133772] Re: K2 wins CQWW (Was Slightly OT: K2)
by George Franklin <w0av@juno.com>
91) [133773] Re: Paul (NA5N)

by W2AGN <w2agn@w2agn.net>
92) [133774] Re: Rigs TOO SMALL!
by "Oleg V. Borodin" <master72@lipetsk.ru>
93) [133775] FS: MFJ 9020
by NA1XX@aol.com
94) [133776] Re: 30 meter noise
by "Karl F. Larsen" <k5di@zianet.com>
95) [133777] 15 M open to Europe from much of USA
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
96) [133778] Re: K2 wins CQWW (Was Slightly OT: K2)
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
97) [133779] NORCAL Short wave Kit
by k4vib@att.net
98) [133780] Re: TS help Needed: Microphonic Rock-Mite
by "Ken Wagner" <kewagner@ids.net>
99) [133781] Re: 88 foot dipole >?<
by "George, W5YR" <w5yr@att.net>
100) [133782] Re: NORCAL Short wave Kit
by John Harper AE5X <ae5x@qsl.net>
101) [133783] QRP Afield
by W2AGN <w2agn@w2agn.net>
102) [133784] Re: QRP Afield
by Dave Richards <wr3i@earthlink.net>
103) [133785] Re: Steath Twinlead??
by Rick McKee <kc8aon@juno.com>
104) [133786] Re: Tunable BFO fer Nor'Easter SWL rx
by Steven Weber <kd1jv@moose.ncia.net>
105) [133787] N connector ?
by <n2go@arrl.net>
106) [133788] Re: ANTENNAS, LOOP CONSTRUCTION/JOINTS
by Victor Dively <kg4htt@juno.com>

Date: Thu, 29 Aug 2002 19:09:30 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <w5yr@att.net>
Subject: [133683] Re: QRP Motto
Message-ID: <06ef01c24fb1\$23926e80\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There is little doubt she was a valuable contributor. I haven't seen a lot of posts from her on r.r.a.h lately, so perhaps she is otherwise engaged. On the other hand, lately I've been having a hard time getting though even

10% of the posts here or on r.r.a.h, so I could have easily missed something.

I never thought of her so much "acerbic" as merely "French".

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>

Subject: Re: QRP Motto

> I do wish that Laura would return as I believe that our present climate is
> much better than it was a couple of years ago. While she could be acerbic
> at times, we usually benefitted from her postings.

Date: Thu, 29 Aug 2002 20:24:55 -0400
From: Dave Richards <wr3i@earthlink.net>
To: k5di@zianet.com,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133684] Re: FOX: AC7A Tonight 8-29
Message-ID: <5.1.1.6.2.20020829202425.009ea960@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

What time is the fox hunt?

Dave

WR3I

At 02:09 PM 8/29/2002 -0600, Karl F. Larsen wrote:

> Wonderful. Thomas your 200 miles away. To far for ground wave
> too close for sky wave. Another 1 for 2 fox nights. I can work you
> direct on 2 meters on 144.050 ssb if you have the gear on your end.

>
> On Thu, 29 Aug 2002 ac7a@gci-net.com wrote:

>

> > All,

> >

> > In case you missed my original message, I am FOX no. 17 in
> > tonight's hunt (8-29). I will be calling around 14.061 to
> > 14.062MHz, and listening up 1 to 2 KHz.

> >

> > See you then,

> >

> > Thomas - AC7A (Tucson)

> >

>

>--

>72, Karl K5DI

>

> | | |_ | | \ | | | | | \ \ /

> | | _ | | | . ' | | | _ | | > <

> | _ _ | _ | | \ | \ _ _ _ / / _ / \ _ \

Date: Thu, 29 Aug 2002 20:32:02 -0400

From: Dave Fouchey <dafouchey@comcast.net>

To: master72@lipetsk.ru,

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [133685] Re: Rigs TOO SMALL!

Message-ID: <4.1.20020829203004.00942d90@localhost>

MIME-version: 1.0

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7BIT

Oleg I like that idea, for a low power rig though I am wondering how much the reduction in loss through the coax would be offset by the I/R drop over the control lines?

any comments?

73's

Dave

WA4EMR

Sterling Heights, MI

At 02:04 AM 8/30/02 +0400, Oleg V. Borodin wrote:

>>>My favorite is that small 40m tranceiver that I built. When I attached
>>>the 9913 coax to the back the rig levitated off the table. It was like
>>>the tail wagging the dog.

>>

>>

>>It'd be different if the cables would actually hold equipment where it was
>>supposed to be - like the 2nd-story bathtub in a house in my hometown, that
>>was still held 15 feet in the air by the pipes after the house burned down
>>around it.

>>

>

>

>Mr. ALL!
>Here is a crazy idea: put micro-tcvt by central insulator of Dipole (for
>example) and three lines for Headphones/CWKey/Common. The battery is on
>insolater also. Maybe, it is probably for field operation?
>True, I don't try it, just an idea only :-)
>
>Good luck! 72! de RV3GM/QRP
>Oleg V. B.
>"RU-QRP?" Club

Date: Thu, 29 Aug 2002 17:41:49 -0700 (PDT)
From: Wayne AA5JJ <aa5jj@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133686] QRP ON 30 METERS
Message-ID: <20020830004149.7911.qmail@web10505.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Any one working 30 meter QRP if so send me a message
and we can try a contact.

73 Wayne AA5JJ

Do You Yahoo!?
Yahoo! Finance - Get real-time stock quotes
<http://finance.yahoo.com>

Date: Thu, 29 Aug 2002 20:54:55 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [133687] Re: Rigs TOO SMALL!
Message-ID: <5.1.0.14.1.20020829205139.00b29080@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Mr. ALL!
>Here is a crazy idea: put micro-tcvt by central insulator of Dipole (for
>example) and three lines for Headphones/CWKey/Common. The battery is on
>insolater also. Maybe, it is probably for field operation?
>True, I don't try it, just an idea only :-)

Oleg,

That's an idea I've had, too. Instead of a battery I thought I could run DC, key, and receive audio to the transceiver at the antenna through a multi-conductor cable. That way impedance doesn't really matter. The only significant loss would be wire resistance.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Thu, 29 Aug 2002 20:00:55 -0500
From: <mgoins@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [133688] WTB or trade
Message-ID: <20020830010055.20687.qmail@uwdvg001.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Anyone with an old MC 30 or MC 35S Kenwood 4-pin mike laying around gathering dust? I have an old MC 10 I'll trade or would be willing to buy if the price is right. Need it "just in case" for the new "old" mobile. =

thanks.

mike
wb5yjx =

Date: Thu, 29 Aug 2002 21:18:37 -0300
From: "Prof. Arnaldo Coro Antich" <inforhc@ip.etcasa.cu>
To: <qrp-1@lehigh.edu>

Subject: [133689] RE: Crystal and ceramic filters specifications
Message-ID: <000801c24fba\$d012ce80\$02000a0a@user>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all !
Just got today a nice present !
9.000 MHz crystal filter made by SHOWA
model SF0922B
Need to know its specifications, especially
the BANDWIDTH (for SSB or for CW ???)
The second filter is made by MURATA
it is a small 455 kHz ceramic filter
marked
CFM445J and then it seems like a number 1
but not sure of the next character.
Also need to know its specifications
Please send data directly to
coro@enet.cu
Thanks in advance !!!
P.S> Seems like another Cuban newbie is
going to be on the air soon with one of those
two filters !!!!

Date: Thu, 29 Aug 2002 21:22:38 -0400
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [133690] FOX: Truffle FOX this evening?
Message-ID: <000501c24fc3\$ba95ed40\$6b2a0843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Who, and on what frequency?

Tom, N1TP
Naples, Florida

Date: Thu, 29 Aug 2002 21:30:01 -0400

From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-1@lehigh.edu>
Subject: [133691] FOX: N4DD TONIGHT!!!! ALMOST FOX TIME
Message-ID: <003101c24fc4\$c3a2b5c0\$62f3e4ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Guys,

I'm fired up and tuned up. I'll be ready and waiting at 14.055 listening up
1, or
there about. Let's get it on!!!

Best of luck to all you guys/hounds!!

Very 72/73

Dennis N4DD

Date: Thu, 29 Aug 2002 21:23:52 -0400
From: "John Huffman" <hjohnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133692] September Spartan Sprint Announcement
Message-ID: <004301c24fc4\$d64c63b0\$76075dd8@jhuffman1t>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Septembert Spartan Sprint will be held on September 2, 2002 (which is
our
standard date--the first Monday of the month). This month it's also Labor
Day, so work extra hard :-)

You may operate on any one or more of five bands--80, 40, 20, 15, and 10
meters. Don't worry if your station is a
bit obese. We commend the winners in two categories--points (the Tubby
Division), and points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory
material at the end of this post.

1. In the Eastern time zone, start at 9PM and end at 11PM, local time. In

the Central time zone, start at 8PM and end at 10PM, local time. In the Mountain time zone, start at 7PM and end at 9PM, local time. In the Pacific time zone, start at 6PM and end at 8PM, local time. (When the U.S. is observing Standard Time, this slot is 0200 to 0400 UTC. When the U.S. is observing Daylight Time, this slot is 0100 to 0300 UTC.)

2. The frequencies will be 3560+- kHz, 7040 kHz+-, 14060 kHz+-, 21060 kHz+-, and 28060 kHz+-. (You may operate any number of bands--your choice.)

3. Exchange RST, SPC (state, province or country) and power output.

4. If you choose to call CQ, use the format "CQ SP," or "CQ QRP TEST."

5. You can take credit for working the same station on a second, third, or fourth band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to www.natworld.com/ars and follow the link for "Direct access to autologs". Or you can speed things up by going directly to the Spartan Sprint autolog page at www.natworld.com/ars/ss_log.html.

"Station Weight" is defined as the combined weight of all transmitters, receivers, keys, keyers and batteries used during the Sprint. We use decimal pounds, rather than pounds and ounces. You may report your weight to the nearest 10th of a pound, or, at your option, the nearest 100th of a pound. For stations weighing less than one pound, we recommend the nearest 100th of a pound.

If you don't have access to the web, send John Huffman, K8HJ, an e-mail with your total QSOs and the total weight of your station. You may also include your comments from the soapbox. John's email address is hjohnc@core.com

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday afternoon.

Date: Thu, 29 Aug 2002 21:36:59 -0400
From: "Jim Stamper" <jstamper@shentel.net>

To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133693] Re: Rigs TOO SMALL!
Message-ID: <003401c24fc5\$bc6b1080\$0e156fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This sounds like it might be a winner. Put the rig in one of the small plastic bottles like they sell iced tea in. They are pretty strong. Need a line for tuning besides keying, power and audio. Some of the four conductor flat wire like used to be used for TV antenna rotors should do the trick run up in some shielded braid.

Think of the threads about what the antenna is--dipole, double zepp or what??

jim-
KG4LDY

----- Original Message -----

From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 29, 2002 8:54 PM
Subject: Re: Rigs TOO SMALL!

>
> >Mr. ALL!
> >Here is a crazy idea: put micro-tcvt by central insulator of Dipole (for
> >example) and three lines for Headphones/CWKey/Common. The battery is on
> >insolater also. Maybe, it is probably for field operation?
> >True, I don't try it, just an idea only :-)
>
> Oleg,
>
> That's an idea I've had, too. Instead of a battery I thought I could run
> DC, key, and receive audio to the transceiver at the antenna through a
> multi-conductor cable. That way impedance doesn't really matter. The only
> significant loss would be wire resistance.
>
> Dave
>
> -----
> "You can fool some of the people all of the time. That's enough to make a
> living." - Lance Burton
> -----

> Dave Hinerman
> WD8CIV@att.net
>

Date: Thu, 29 Aug 2002 18:01:26 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [133694] Re: Stealth Antennas
Message-ID: <20020829.213109.8990.0.kc8aon@juno.com>

The answer? Deny them any
>adjunct
>assistance until they come crawling! Then have your lease modified or
>render
>no assistance.

I think that's extortion, but who really cares ? Sounds good to me !

Rick McKee, KC8AON
Willow Wood, Ohio
QRP- do more with less !
QRP-L #2112, FPqrp #33, AR QRP #269

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Date: Thu, 29 Aug 2002 18:05:26 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [133695] Re: Stealth Antennas
Message-ID: <20020829.213109.8990.1.kc8aon@juno.com>

>Im sure there are associations and neighborhoods where they may
>prohibit
>parking your car any where except in a closed garage. If thats the
.

Hum, I think I smell a bit of communism in that one !

Rick McKee, KC8AON
Willow Wood, Ohio
QRP- do more with less !
QRP-L #2112, FPqrp #33, AR QRP #269

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 29 Aug 2002 21:36:54 -0400
From: "Dean LaClair - Adk-Com" <nr2v@northnet.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133696] Steath Twinlead??
Message-ID: <20020830013654.3062.qmail@mail2.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone know of a source of white or grey twinlead?

72 Dean

Ps Guess I could spray paint it...???

Date: Thu, 29 Aug 2002 18:40:56 -0700
From: "K7FD N7SG" <k7fd@hotmail.com>
To: aa5jj@yahoo.com
Cc: qrp-l@lehigh.edu
Subject: [133697] Re: QRP ON 30 METERS
Message-ID: <F184XkgAk3blkSNtVwF0001800c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I am on 10.116 MHz tonight...I'll be listening for you!

73 John K7FD, SST at 1.9w es a dipole...in Oregon

>From: Wayne AA5JJ <aa5jj@yahoo.com>
>Reply-To: aa5jj@yahoo.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: QRP ON 30 METERS
>Date: Thu, 29 Aug 2002 17:41:49 -0700 (PDT)
>
>Any one working 30 meter QRP if so send me a message
>and we can try a contact.
>
>73 Wayne AA5JJ
>
>
>
>-----
>Do You Yahoo!?
>Yahoo! Finance - Get real-time stock quotes
><http://finance.yahoo.com>

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Thu, 29 Aug 2002 20:48:42 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-1@lehigh.edu
Subject: [133698] AY1FZR (LU) - 14.027 @ 0153Z
Message-ID: <5.1.1.6.0.20020829204615.00a5a730@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

AY1FZR (LU) - 14.027 @ 0153Z

Nice 579 into Midwest - calling CQ - not too fast.

Used Corsair I and 2W to St. Louis Quickie portable vertical.

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Thu, 29 Aug 2002 20:56:38 -0500
From: Karl Kanalz <kkanalz@gcecis.com>
To: "'kc8aon@juno.com'" <kc8aon@juno.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133699] RE: Stealth Antennas
Message-ID: <01C24F9E.9DA29460@KKANALZ>

For "Communism", try the city of "The Socialist Republic Of Irvine, California",
Rick!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Rick McKee [SMTP:kc8aon@juno.com]
Sent: Thursday, August 29, 2002 5:05 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Stealth Antennas

>Im sure there are associations and neighborhoods where they may
>prohibit
>parking your car any where except in a closed garage. If thats the
.

Hum, I think I smell a bit of communism in that one !
Rick McKee, KC8AON
Willow Wood, Ohio

Date: Thu, 29 Aug 2002 22:07:27 -0400
From: "W8DIZ" <w8diz@fpqrp.com>
To: <qrp-1@lehigh.edu>, <fpqrp-1@mpna.com>
Subject: [133700] Truffle Hunt tonight - B A D N I T E
Message-ID: <003e01c24fc9\$fdbd0800\$44b71b41@intranet>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

not a good night...

only 8 Q's tonight for this Truffle

K0EVZ 559? Doc SD 5W
N5ZE 559 TX Lew 5W
KB7WW 559 OR Art 5W
NK6A 559 CA Don 5W
K1HJ 449 MA Steve 1W?
K3IU 559 RI Ken 5W
WR50 229 TX Dave 5W
K8CV 339 MI Walt ??W

Worst hunt I've ever had. When will Winter get here?

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County near Cincinnati; EM79uf; 39.218N - 84.305W
<http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

Date: Thu, 29 Aug 2002 19:19:03 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <kkanalz@gcecisp.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133701] Re: Stealth Antennas
Message-ID: <000601c24fcb\$9cc35e80\$0b02a8c0@trabucoserver>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A fellow Irvine ham's discreet 2m antenna attracted the attention of the association police recently.
He put together a professional-looking portfolio with various exhibits, with some help from the
ARRL. The management committee reviewed it and retracted the complaint. So all is not lost.

>From Irvine, Orange County, the reactionary center of the universe :)

--ian, k3imw/6

----- Original Message -----
From: "Karl Kanalz" <kkanalz@gcecisp.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 29, 2002 6:56 PM

Subject: RE: Stealth Antennas

> For "Communism", try the city of "The Socialist Republic Of Irvine,
California", Rick!

>

> Karl K - W8TIF

> McKinney, Texas

>

> -----Original Message-----

> From: Rick McKee [SMTP:kc8aon@juno.com]

> Sent: Thursday, August 29, 2002 5:05 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Stealth Antennas

>

>

>

> >Im sure there are associations and neighborhoods where they may

> >prohibit

> >parking your car any where except in a closed garage. If thats the

> .

>

> Hum, I think I smell a bit of communism in that one !

> Rick McKee, KC8AON

> Willow Wood, Ohio

>

>

>

Date: Thu, 29 Aug 2002 21:38:24 -0500

From: "Rob Matherly" <w0jrm@arrl.net>

To: <WD8CIV@worldnet.att.net>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [133702] Re: Rigs TOO SMALL!

Message-ID: <018b01c24fce\$87098300\$8611a541@jimrob>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

They had a series of articles about that in CQ, around '98 I think it was.
The neatest (I thought) was a QRPp transmitter mounted in a 3" hunk of coax
insulation (from that 1/2" cable) with two pl-259's glued on each end. One
end was screwed onto the so-239 of the antenna, and the other was screwed

onto a hunk of coax going to your key and battery.

They also had methods for larger-sized transmitters. You would take the transmitter and place it inside a hunk of PVC pipe. You connect the antenna to bolts through end caps which were sealed on the ends of the pipe, and connect the transmitter output to the bolts. On the bottom of the pipe you would have an so-239, and to that you would connect a hunk of coax going to your key.

Mostly, their ideas had the batteries inside the enclosures, but for lazy people like me it'd be easier to just have the battery right next to you so you wouldn't have to go out and lower your antenna every time your battery went dead :^)

72/73/oo
Rob, w0jrm

=====
Visit my website! <http://www.qsl.net/w0jrm>
=====

----- Original Message -----

From: David Hinerman <WD8CIV@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, August 29, 2002 7:54 PM
Subject: Re: Rigs TOO SMALL!

>Mr. ALL!
>Here is a crazy idea: put micro-tcvt by central insulator of Dipole (for
>example) and three lines for Headphones/CWKey/Common. The battery is on
>insolater also. Maybe, it is probably for field operation?
>True, I don't try it, just an idea only :-)

Oleg,

That's an idea I've had, too. Instead of a battery I thought I could run DC, key, and receive audio to the transceiver at the antenna through a multi-conductor cable. That way impedance doesn't really matter. The only significant loss would be wire resistance.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman

WD8CIV@att.net They had a series of articles about that in CQ, around '98 I think it was. The neatest (I thought) was a QRPP transmitter mounted in a 3" hunk of coax insulation (from that 1/2" cable) with two PL-259's glued on each end. One end was screwed onto the SO-239 of the antenna, and the other was screwed onto a hunk of coax going to your key and battery.

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72/73/oo
Rob, W0jrm

=====
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=====

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From: David Hinerman <WD8CIV@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, August 29, 2002 7:54 PM
Subject: Re: Rigs TOO SMALL!

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Dave

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living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Thu, 29 Aug 2002 22:47:53 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: <kc8aon@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133703] PLAGIARISM/QUOTATIONS
Message-ID: <000f01c24fcf\$bdb8700\$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rick:
You should duly credit any author when quoting/forwarding messages.

73, Ron, W2WU

----- Original Message -----

From: Rick McKee <kc8aon@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: 29 August, 2002 18:01
Subject: Re: Stealth Antennas

> The answer? Deny them any
> >adjunct
> >assistance until they come crawling! Then have your lease modified or
> >render
> >no assistance.
>
> I think that's extortion, but who really cares ? Sounds good to me !
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> Rick McKee, KC8AON
> Willow Wood, Ohio
> QRP- do more with less !
> QRP-L #2112, FPqrp #33, AR QRP #269
>
>
> -----

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Date: Thu, 29 Aug 2002 20:48:08 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>
Subject: [133704] SLV vertical...
Message-ID: <Pine.LNX.4.33.0208292030430.13674-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...ok, why does having more than 1 radial cut to a 1/4 wavelength on say
40 mtrs improve the transmitting and receiving performance of the
antenna?...

...I've read a couple of ham magazines re verticals but haven't found the
answer yet...

...is it because the "perfect" arrangement would be a 1/4 wavelength
circle of metal underneath the vertical and thus when I go from 1 radial
to 3,4,5, radials, I improve the performance of the antenna as I start
to "fill in" the circle?...

...I have erected an SLV in my backyard and I'm trying to learn about
vertical antennas using this project...

...I have a new MFJ-259B and will be hooking it up to the SLV tomorrow (if
I receive permission from the mosquitos) and see what gives...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Thu, 29 Aug 2002 22:53:16 -0400

From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-1@lehigh.edu>
Subject: [133705] FOX: Where is everyone. I'm straight up @ 14.055
Message-ID: <000501c24fd0\$64f89600\$53f3e4ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Date: Thu, 29 Aug 2002 23:03:42 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133706] Re: PLAGIARISM/QUOTATIONS
Message-ID: <3D6EE08E.51E641CE@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You ARE kidding, right?

Paul K4FB

W2WU wrote:

> Rick:
> You should duly credit any author when quoting/forwarding messages.
> 73, Ron, W2WU
>

Date: Thu, 29 Aug 2002 22:09:52 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-1@lehigh.edu
Subject: [133707] Re: Steath Twinlead??
Message-ID: <5.1.1.6.0.20020829205215.00a39dd0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:36 PM 8/29/02 -0400, you wrote:

>Anyone know of a source of white or grey twinlead?

>

>Hello Dean,

I've seen clear twinlead, as most of us probably have, but never white or grey. I don't ever recall painting it.

But, what you might want to consider in its place is four conductors of grey computer ribbon cable. The two center conductors do nothing except float while increasing the characteristic impedance of the line.

This original feedline concept is attributed to WE6W. Anticipating the question, I don't recall the impedance or loss calculations right now but his feedline configuration works very well for me.

I have used this WE6W-type feedline for several years for tuned doublets and verticals with no complaints. It seems to work well for milliwattting too - which says something, I suppose. Like the other stations could hear me - and I could hear their milliwatt signals too.

The log has a lot of entries running 10-50 mW on 20M and 40M during QRP milliwatt contests. Some were completed with a tuned St. Louis Doublet at 48' using 75-80' of ribbon cable feedline.

About three years ago, a self-anointed antenna expert on QRP-L made a pronouncement that computer cable feedlines (using two parallel conductors only) had a 10db loss per foot. Definitely a loose-cannon type guru. I have that one of file here somewhere! <g>

If your trying for a stealthy antenna installation the grey cable might be a useful alternative while helping put out a respectable signal. Four conductors of generic ribbon cable are a little wider than 1/8". Six conductors are exactly 1/4". Light-duty 300 ohm twinlead is about 5/16".

Most commercial ribbon cable has a shiny rubber jacket. You can knock this down a bit by passing the jacket through folded sandpaper.

Hope these experiences are helpful to you, Dean.

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Thu, 29 Aug 2002 23:16:31 -0400
From: "Joe W2KJ" <w2kj@earthlink.net>
To: <inforhc@ip.etcusa.cu>
Cc: "qrp-1" <qrp-1@lehigh.edu>
Subject: [133708] Re: Crystal and ceramic filters specifications
Message-ID: <00d401c24fd3\$a4179d60\$3335323f@cdcvh01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Prof. Arnaldo Coro Antich" <inforhc@ip.etcusa.cu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 29, 2002 8:18 PM
Subject: RE: Crystal and ceramic filters specifications

> Hi all !
> Just got today a nice present !
> 9.000 mHz crystal filter made by SHOWA
> model SF0922B
> Need to know its specifications, especially
> the BANDWIDTH (for SSB or for CW ???)
> The second filter is made by MURATA
> it is a small 455 kHz ceramic filter
> marked
> CFM445J and then it seems like a number 1
> but not sure of the next character.
> Also need to know its specifications
> Please send data directly to
> coro@enet.cu
> Thanks in advance !!!
> P.S> Seems like another Cuban newbie is
> going to be on the air soon with one of those
> two filters !!!!

Howdy Arnie:

I bought a couple of those filters several years ago and was
able to locate the data sheet.

The stated bandwidth at the 6db points is 2.20Khz.

Shape factor: 6-60db 1.8:1

Input and output impedance is 500 ohms

number of poles: 6 crystal; 3 L-C poles

insertion loss: less than 6db

Hope the above is useful.

73, Joe W2KJ
(North Carolina)
I QRP, therefore I am

Date: Thu, 29 Aug 2002 23:22:56 -0400
From: "Joe W2KJ" <w2kj@earthlink.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Cc: "qrp-1" <qrp-1@lehigh.edu>
Subject: [133709] Re: Crystal and ceramic filters specifications
Message-ID: <00ea01c24fd4\$89c14140\$3335323f@cdcvh01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Should have stated that the below specs were for the Showa
9Mhz filter. Sorry for any confusion caused.

Joe W2KJ

>
> Howdy Arnie:
>
> I bought a couple of those filters several years ago and was
> able to locate the data sheet.
>
> The stated bandwidth at the 6db points is 2.20Khz.

>
> Shape factor: 6-60db 1.8:1
>
> Input and output impedance is 500 ohms
>
> number of poles: 6 crystal; 3 L-C poles
>
> insertion loss: less than 6db
>
> Hope the above is useful.
>
> 73, Joe W2KJ
> (North Carolina)
> I QRP, therefore I am
>
>
>
>
>
>

Date: Thu, 29 Aug 2002 22:39:44 -0500
From: "Jay Henson" <aj4ay@worldnet.att.net>
To: "QRPL" <qrp-l@lehigh.edu>
Subject: [133710] FOX Double
Message-ID: <001101c24fd6\$e2796f40\$3b70560c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

All,

Tom was quite strong into AL this evening and was not a problem to work. I have not been able to hear Dennis N4DD at all. Not even hearing the hounds shooting at him.

Anyhow, I was listening to Tom and decided I would get a double with him. I turned the K2 power down as low as I could (100 or so mw on the WM-2) and called him a couple of times. Durned if he didn't hear me. Sorry for the DUPE at 0319 Tom. You certainly do have good ears.

This hobby never ceases to amaze and thrill me. Being able to throw a 100mw signal out into the ether and have someone hear it, understand what I said,

and respond is pretty darn neat stuff.

Thanks to all of the foxii and the fox hunt crew for the summer fun and I am looking forward to the winter hunts.

My best to all!!

See you on the radio.

Jay

AJ4AY Mobile, AL

FISTS #7917 AICI #8131 QRPL #1372 SOC#220 FP# - 115

Date: Fri, 30 Aug 2002 13:10:43 +0900
From: "Toru Kato" <ah2ce@ybb.ne.jp>
To: <qrp-l@lehigh.edu>
Subject: [133711] Re: New Icom QRP radio
Message-ID: <EHENIPGCKLAMBLPFOJAGCEBNCIAA.ah2ce@ybb.ne.jp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-2022-jp"
Content-Transfer-Encoding: 7bit

Hi Bill ,

>This is just the 706 with out the final. With the same
>rec. it will draw the same power on rec. as the 706.

I will give you information about IC-706 series.
In Japanese market, there is IC-706mk2G"S " 10 model.

IC-706mk2G = 100W on HF
IC-706mk2GM=50W on HF
IC-706mk2GS=10W on HF

There are 3-type of IC-706mk2G !
S means 10W HF model. Japanese 4th class amateur radio
licensee's HF power limit is 10W.

There is TS-570VG, IC-746S, FT-897S, FT-100DS, FT-847S so on,
many many 10W HF RIG already exist in Japanese market.
(10W model : Kenwood V type, ICOM and Yaesu S type)

But IC-703 is quite different from 10W IC-706mk2GS.
IF ICOM want to make 10W model with ease, ICOM could make IC-706mk2GS
export type model, but ICOM didn't do it.

Why ?

IC-703 is new concept QRP transceivers, it looks like IC-706 but IC-703's internal component is all new.

Most different point is its "Current".

IC-706's RX current is 2000mA / 13.8V

IC-703's RX current is 450mA / 9,6V .

(But Of course K2's RX current is better.)

IC-706 display is green but IC-703 display is orange.

Because orange LED display is lower current than green LED.

IC-706 can not operate on 9,6V video camera battery,
but IC-703 can it ! 5A type handy video camera's battery is
smaller than 10A one, can carry easily.

If you want to climb mountain alone, I recommend you FT-817, it is only 1kg
including internal battery, BNC antenna connector,
but only 2W / 2hours operation, it is hard to read out its display,
as it is too little, dark LED back light ! (I am one of the FT-817 user)

In my opinion, I think IC-703 is suitable for "field operation",
like "a weekend picnic with a family" hi.

If I use IC-703 with 5A portable battery, I can on the air on 5W/4-5hours.
IC-703 has a good orange display, nice shape factor 455kHz CW filter , DSP,
3ch memory keyer, TCXO (especially TCXO is useful filed operation), operation
stand,
internal automatic tuner, only "2kg" weight, list price will be much lower than
100,000yen.

(@Tokyo Hamfair announce. IC-706mk2G list price is 148,000yen in Japan).

If you want to need a wide band VHF receiver, high power TX 20W with battery,
you can choose FT-897 but it will be much expensive than IC-703.
Yes! It is depend on "cost".

I have FT-817 and IC-706mk2GM (M means 50W model, as Japanese field
operation is limited max 50W output), and K2. I like them very much.
I am now interested in IC-703.

I hope you enjoy QRP field operation.
Thank you.

JG1RVN Toru Kato
jg1rvn@jarl.com

Date: Thu, 29 Aug 2002 23:19:10 -0500
From: "George, W5YR" <w5yr@att.net>
To: rattray@gpfn.sk.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133712] Re: SLV vertical...
Message-ID: <3D6EF23E.2F14ABCC@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bruce Rattray wrote:

>
> ...ok, why does having more than 1 radial cut to a 1/4 wavelength on say
> 40 mtrs improve the transmitting and receiving performance of the
> antenna?...
>
> ...I've read a couple of ham magazines re verticals but haven't found the
> answer yet...
>
> ...is it because the "perfect" arrangement would be a 1/4 wavelength
> circle of metal underneath the vertical and thus when I go from 1 radial
> to 3,4,5, radials, I improve the performance of the antenna as I start
> to "fill in" the circle?...

That's a good way to look at it . . .The antenna must return the current fed to it from the center conductor of the coax back to the braid so that it can return to the transmitter - this is a very simplistic view but it works. That current flows from the antenna back to whatever is connected to the coax braid. If that is one radial, then that radial is the only path back, and since the vertical is returning current from all around, that one radial can only intercept a tiny part of it. Most of it goes back via the Earth and power is lost. I am talking ground radials now as in your circle of metal. The more radials you put down arranged "radially" in a circle, the more current returns via the low-resistance wire radials and the less through the lossy soil. The radials should always be put out as symmetrically as you can so that the return currents can be shared equally among the radials, which can usually be of any size wire. I prefer insulated wire since it lasts longer on or in the ground. And there is no need to bury a radial any deeper than it takes to get it out of the way.

With an elevated vertical, the number and placement of the radials depends largely upon the height of the antenna above the ground. If it is at least 1/4 wave high at the base or feedpoint, you can do reasonably well with only 4 radials, but they need to be tuned in opposite pairs like a dipole.

They should be used in pairs to cancel radiation from the radials - they are there to collect current, not radiate. If they do, that can upset the low angle of radiation that you are using the vertical to obtain.

The ARRL Antenna Book has a lot of good material on verticals and radials. If you find a copy of Jerry Sevick's (W2FMI) "Baluns and Ununs" he has two or three chapters on verticals and radials.

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

Date: Fri, 30 Aug 2002 01:00:18 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-1@lehigh.edu
Subject: [133713] Stuff that works
Message-ID: <5.0.2.1.0.200208300003420.009f1be0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I never thought I would do any SMT building but had built one of the classic 40673 GDOs from the handbook.
Whilst agonizing about calibrating the dial it occurred to me that a small counter would be wonderful and
fortuitously Rod N0RC had a "Melt Solder" kit for sale.
The counter cranked right up and is mounted on the side of the GDO box.
Although specs are to 40 MC it works
smoothly up to 49.5 Megacycles....the counter enclosure has a nice
wintergreen mint smell...:-}
Tnx to Steve and Rod for help with a super GDO.
BTW the 40673 circuit is remarkably stable. I'm not nuts about SMT however
since it seems to take about twice as long to build
and I got over backpacking a long time ago. Size is mainly dependent on
workbench room.
73 to all
Pete
NV4V Ky

Date: Thu, 29 Aug 2002 22:11:57 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>

Subject: [133714] Measuring binocular cores
Message-ID: <MABBJOEABOILMKCJCLFCMENHDIAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have some "orphan" binocular cores. I'm trying to measure the AsubL to try to match them with a known product or mix.
To do this, one normally wraps so many turns on a core and calculates the inductance. A formula then provides the AsubL. This is fine for a toroid with only one hole.
For the binocular core, do I wind the turns through just one hole, as in a toroid? Or do I loop through both holes? Anybody know?
73, Bob N6WG

Date: Fri, 30 Aug 2002 06:46:03 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: n6wg@earthlink.net, qrp-1@lehigh.edu
Subject: [133715] Re: Measuring binocular cores
Message-ID: <F226ox7nyeKzGZuNY1S00000308@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Bob Tellefsen" <n6wg@earthlink.net>
>Reply-To: n6wg@earthlink.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Measuring binocular cores
>Date: Thu, 29 Aug 2002 22:11:57 -0700
>
>I have some "orphan" binocular cores. I'm trying to measure the AsubL to
>try to match them with a known product or mix.
>To do this, one normally wraps so many turns on a core and calculates the
>inductance. A formula then provides the AsubL. This is fine for a toroid
>with only one hole.
>For the binocular core, do I wind the turns through just one hole, as in a
>toroid? Or do I loop through both holes? Anybody know?
>73, Bob N6WG

They are normally used with windings through both holes.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Join the world s largest e-mail service with MSN Hotmail.

<http://www.hotmail.com>

Date: Fri, 30 Aug 2002 00:00:40 -0900

From: "Juan A. Bertolin" <ea5xq@qsl.net>

To: GQRP - LIST ADDRESS <GQRP@yahoogroups.com>,
QRP - LIST ADDRESS <qrp-l@lehigh.edu>,

Cc: k4twj@sunshine-software.com, ka0iqt@charter.net,
acpalm@concentric.net, kcomm@kcomm.biz, jotvingis@gmx.net,

Subject: [133716] Updates in my web

Message-ID: <3D6F3438.DF842E50@qsl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi to everybody,

Welcome to my new release of my web site:

http://www.qsl.net/ea5xq/index_eng.html (english version)

<http://www.qsl.net/ea5xq/index.html>

I have updated my web site with new material:

- QSL Albums (still in construction)
- My little CW Keys Museum
- My current experiences in XE2/EA5XQ/QRP with new antennas used
- My new rigs/equipment in my radio Shack

and changed a little bit the "look like" and so forth

I will highly appreciate any comment, suggestion or constructive critic of you. Don't forget to sign in my guestbook!!!

Enjoy it and I hope it will be interesing for you!

73 Juan

--

=====

EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW
Clubs: URE, G-QRP #9805, QRP-L #1461, EA-QRP #471
@@
Web Site: <http://www.qsl.net/ea5xq> (english version in
http://www.qsl.net/ea5xq/index_eng.html)

=====

Date: Fri, 30 Aug 2002 01:18:59 -0700 (PDT)
From: Scotty Wright <zydeco9214@yahoo.com>
To: ratttray@gpfn.sk.ca,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133717] Re: SLV vertical...
Message-ID: <20020830081859.66617.qmail@web13509.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I have a SLV that i use portable. I stick the antenna in the mud on the banks of lake Ponchartrain. The salt water makes a reasonable ground plane. The other trick i use is the bleachers at the local football field. I clamp the SLV or the outbacker to the bleachers. Makes a great ground plane. The bleachers (grandstand) is sloped toward the west so I probably get some strange propagation. When I go home to New Mexico I take 5 conductor rotor cable and split it up. then make a pie shape. Sometimes if i want a bit of directivity i will skew the radials in the direction I want to cover. I can definatly tell the SLV is less effective in the dry rocky soil of NM vers. the brackish muck of Louisiana. More radials are needed in dry rocky soil. I have heard that lava beds make good ground. However, that will have to wait for next trip west.

Ohh a half wave Circumfrence of chicken wire in the back yard works too. Just mow right over the top of it.

hi

de wb5tla k

Scotty

=====

Scotty Wright
WB5TLA
ICQ # 5907718
QRP-L # 2361
QRP ARCI #10970
ARS #1130

Do You Yahoo!?
Yahoo! Finance - Get real-time stock quotes
<http://finance.yahoo.com>

Date: Fri, 30 Aug 2002 05:34:17 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@lehigh.edu
Subject: [133718] Paul (NA5N)
Message-ID: <20020830.053425.-264735.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I A L W A Y S open and enjoy a post from Paul . . .

Tnx uv done it agn :>))

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/web/>.

Date: Fri, 30 Aug 2002 11:35:25 +0200
From: "Juanjo Pastor" <ec5aca@wanadoo.es>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133719] RE: QRP Homebuilder Site
Message-ID: <01e301c25009\$2a38f9e0\$82796750@fer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

>I'm new to QRP-L and maybe this question has been asked
>and answered but does anyone know what happened to the
>QRP Homebuilder site at <http://www.qrp.pops.net/??>
>

This small question has been asked about half a dozen times on the list and no answer yet. Has anything happened to the site owner, VE7BP0 I recall? This was an fb site and it is worth of setting a mirror site soon. Maybe it has been already done, does anybody have the URL?

73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742,
QRP-L #1662.

Juanjo Pastor
C/San Roque, 4-1=BA
46460 Silla
SPAIN

e-mail: ea5chq@wanadoo.es
Tel.: +034 96 120 17 67
Movil: 651 35 35 11

>Tnx,

>
>Bill
>K4VIB
>

Date: Fri, 30 Aug 2002 10:52:11 +0200
From: "Juanjo Pastor" <ec5aca@wanadoo.es>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133720] RE: CQ East Coast once more...
Message-ID: <01e201c25009\$29912120\$82796750@fer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hello again,

My TT1320 and me will make the trip to Liria this Friday evening and hopefully I will be on the air between 21:30 and 22:30 UTC in 21.060 (oops, it's 14.060!!!). Hope to work some of your peanut whistles with the mighty beam up there. CU on the air!

73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742, QRP-L #1662.

Juanjo Pastor
C/San Roque, 4-1=BA
46460 Silla
SPAIN

e-mail: ea5chq@wanadoo.es
Tel.: +034 96 120 17 67
Movil: 651 35 35 11

Date: Fri, 30 Aug 2002 06:25:09 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133721] Re: Measuring binocular cores
Message-ID: <000601c2500f\$850b3170\$b8cf1d41@cinci.rr.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob...

Check page 84...

both holes are considered a single turn

http://www.lodestonepacific.com/distrib/pdfs/FairRite/fair_rite_14th.pdf

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----

From: "Bob Tellefsen" <n6wg@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 30, 2002 1:11 AM
Subject: Measuring binocular cores

I have some "orphan" binocular cores. I'm trying to measure the AsubL to try to match them with a known product or mix.
To do this, one normally wraps so many turns on a core and calculates the inductance. A formula then provides the AsubL. This is fine for a toroid with only one hole.
For the binocular core, do I wind the turns through just one hole, as in a toroid? Or do I loop through both holes? Anybody know?
73, Bob N6WG

Date: Fri, 30 Aug 2002 11:13:18 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: ec5aca@wanadoo.es, qrp-l@lehigh.edu
Subject: [133722] RE: QRP Homebuilder Site
Message-ID: <F170Fc6rmbZJCefsQHh00016141@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Juanjo Pastor" <ec5aca@wanadoo.es>
>Reply-To: ec5aca@wanadoo.es
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: RE: QRP Homebuilder Site
>Date: Fri, 30 Aug 2002 11:35:25 +0200
>
> >I'm new to QRP-L and maybe this question has been asked
> >and answered but does anyone know what happened to the
> >QRP Homebuilder site at <http://www.qrp.pops.net/??>
> >
>This small question has been asked about half a dozen times on the
>list and no answer yet. Has anything happened to the site owner,
>VE7BP0 I recall? This was an fb site and it is worth of setting a
>mirror site soon. Maybe it has been already done, does anybody have
>the URL?

<http://web.archive.org/web/20010201151900/qrp.pops.net/>

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Fri, 30 Aug 2002 12:22:07 GMT
From: Thomas Jennings <jennings@eznet.net>
To: ah2ce@ybb.ne.jp
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133723] Re: New Icom QRP radio
Message-ID: <20020830122207.2496.qmail@eznet.net>
Mime-version: 1.0
Content-type: text/plain; charset="us-ascii"

Hi Toru,
I haven't heard any comments regarding cw on the 703.
Do you know if cw is lsb on all bands with the IC703?
CW is lsb on all bands with the IC706.

Thanks for the info.

73,

Tom kv2x

Toru Kato writes:

> Hi Bill ,
>
> >This is just the 706 with out the final. With the same
> >rec. it will draw the same power on rec. as the 706.
>
> I will give you information about IC-706 series.
> In Japanese market, there is IC-706mk2G"S " 10 model.
>
> IC-706mk2G = 100W on HF
> IC-706mk2GM=50W on HF
> IC-706mk2GS=10W on HF
>
> There are 3-type of IC-706mk2G !
> S means 10W HF model. Japanese 4th class amateur radio
> licensee's HF power limit is 10W.
>
> There is TS-570VG, IC-746S, FT-897S,FT-100DS, FT-847S so on,
> many many 10W HF RIG already exist in Japanese market.
> (10W model : Kenwood V type, ICOM and Yaesu S type)
>
> But IC-703 is quite different from 10W IC-706mk2GS.
> IF ICOM want to make 10W model with ease, ICOM could make IC-706mk2GS
> export type model, but ICOM didn't do it.
>
> Why ?
> IC-703 is new concept QRP transceivers, it looks like IC-706 but
> IC-703's internal component is all new.
>
> Most different point is its "Current".
> IC-706's RX current is 2000mA / 13.8V
> IC-703's RX current is 450mA / 9,6V .
> (But Of course K2's RX current is better.)
>
> IC-706 display is green but IC-703 display is orange.
> Because orange LED display is lower current than green LED.
>
> IC-706 can not operate on 9,6V video camera battery,
> but IC-703 can it ! 5A type handy video camera's battery is
> smaller than 10A one, can carry easily.
>
> If you want to climb mountain alone, I recommend you FT-817, it is only 1kg
> including internal battery, BNC antenna connector,

> but only 2W / 2hours operation, it is hard to read out its display,
> as it is too little, dark LED back light ! (I am one of the FT-817 user)
>
> In my opinion, I think IC-703 is suitable for "field operation",
> like "a weekend picnic with a family" hi.
>
> If I use IC-703 with 5A portable battery, I can on the air on 5W/4-5hours.
> IC-703 has a good orange display, nice shape factor 455kHz CW filter , DSP,
> 3ch memory keyer, TCXO (especially TCXO is useful filed operation), operation
stand,
> internal automatic tuner, only "2kg" weight, list price will be much lower than
> 100,000yen.
> (@Tokyo Hamfair announce. IC-706mk2G list price is 148,000yen in Japan).
>
> If you want to need a wide band VHF receiver, high power TX 20W with battery,
> you can choose FT-897 but it will be much expensive than IC-703.
> Yes! It is depend on "cost".
>
> I have FT-817 and IC-706mk2GM (M means 50W model, as Japanese field
> operation is limited max 50W output), and K2. I like them very much.
> I am now interested in IC-703.
>
> I hope you enjoy QRP field operation.
> Thank you.
>
> JG1RVN Toru Kato
> jg1rvn@jarl.com
>

Date: Fri, 30 Aug 2002 08:24:34 -0400
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133724] Strange fox night
Message-ID: <004a01c25020\$336c5b30\$2f556fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Could barely hear Fox in Arizona sometimes with lots of QSB. Didn't hear
the other Fox or the Truffle--both too close to Virginia but . . .

while I was looking for them I got Y02BBX. Go figure.

About 4:00 AM I woke up and got my very first Australia QRP on 20.

Guess that makes up for missing the Truffle and foxes.

73,
jim-
KG4LDY

Date: Fri, 30 Aug 2002 08:37:50 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133725] Re: PLAGIARISM/QUOTATIONS
Message-ID: <3D6F2EDE.10189.4F52669@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 29 Aug 2002 at 23:03, Paul Womble wrote:

> You ARE kidding, right?
>
> Paul K4FB
>
>
>
> W2WU wrote:
>
> > Rick:
> > You should duly credit any author when quoting/forwarding messages.
> > 73, Ron, W2WU
> >
>

Well, Paul, looks like another QRP-Ler has gone off his medications.

--
2002 BUBBA pictures at <http://w2agn.net/bubba2002.html>

John L. Sielke W2AGN
<http://www.w2agn.net>

Date: Fri, 30 Aug 2002 08:40:36 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <aj4ay@worldnet.att.net>
Subject: [133726] Re: FOX Double
Message-ID: <001e01c25022\$71f6b920\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Weird, pretty much the opposite here in MI. Dennis was just pounding in here, solid 599. Tom, on the other hand, was barely audible ... gave him a 429. That time of night I would pretty much expect the opposite -- TN is pretty close for 20 and AZ is generally an easy hike. But amazingly, I did get both relatively quickly. Neither seemed to be having many takers, although when Dennis got QRM'd by a CQ FISTS, a half dozen stations jumped in to drive the interloper off frequency. Some of them must have gone QRO for the purpose, too, the little K1 started jumping off the table!

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Jay Henson" <aj4ay@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 29, 2002 11:39 PM
Subject: FOX Double

> All,
>
> Tom was quite strong into AL this evening and was not a problem to work.
I
> have not been able to hear Dennis N4DD at all. Not even hearing the
hounds
> shooting at him.
>
> Anyhow, I was listening to Tom and decided I would get a double with him.
I
> turned the K2 power down as low as I could (100 or so mw on the WM-2) and
> called him a couple of times. Durned if he didn't hear me. Sorry for the
> DUPE at 0319 Tom. You certainly do have good ears.
>
> This hobby never ceases to amaze and thrill me. Being able to throw a
100mw

> signal out into the ether and have someone hear it, understand what I
said,
> and respond is pretty darn neat stuff.
>
> Thanks to all of the foxii and the fox hunt crew for the summer fun and I
am
> looking forward to the winter hunts.
>
> My best to all!!
> See you on the radio.
> Jay
> AJ4AY Mobile, AL
> FISTS #7917 ARCI #8131 QRPL #1372 SOC#220 FP# - 115
>
>

Date: Fri, 30 Aug 2002 08:46:24 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <ah2ce@ybb.ne.jp>
Subject: [133727] Re: New Icom QRP radio
Message-ID: <003a01c25023\$4a75b260\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-2022-jp"
Content-Transfer-Encoding: 7bit

Toru

Thank you very much for the complete input. There has been quite a bit of
speculation, but little real data up until now.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "Toru Kato" <ah2ce@ybb.ne.jp>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 30, 2002 12:10 AM
Subject: Re: New Icom QRP radio

Date: Fri, 30 Aug 2002 08:48:58 -0400

From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-l@lehigh.edu
Subject: [133728] Re: ANTENNAS: LOOP CONSTRUCTION/JOINTS
Message-ID: <3D6F69BA.918A41D5@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I guess it depends on how you intend to use it (fixed, exposed to elements; or portable), and its size (carrying it around for portable operation). A continuous bent pipe is surely the lowest loss, and silver soldering would be less connection loss and harder than soft solder. But I don't think it is necessary, especially if you have a 6 foot diameter loop that you want to carry in the trunk of your car. I have made mine as an octagon of 3 sections of 1/2 inch pipe, using unions. The brass (bronze?) unions are soft soldered to the pipe sections, and the large meshing area of the union threads make for sufficient electrical contact, in my opinion. I used the equations from the W5QJR book on the subject, put into an Excel spreadsheet. Using an MFJ analyzer, the measured 3 dB bandwidth is right in line with the bandwidth from the equations. Hard to measure the actual ohmic resistance, and I haven't enough anecdotal on-the-air time to say anything meaningful about that. I understand that a number of the Melbourne Fla area QRP group use this method of pipe unions to couple the sections. The other nut to crack is attaching the capacitor; I have flattened the pipe ends for a large contact area, with large washers, and connect with bolts and wing nuts for ease of assembly.
73, Ed, K2MGM.

Date: Fri, 30 Aug 2002 06:53:21 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: John R Kirby <n3aaz-qrp@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133729] Re: Paul (NA5N)
Message-ID: <Pine.LNX.4.44.0208300650300.1670-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you think Paul's posts are good, you should meet Paul and his radio active wife at a Hamfest! They looked like kids in a candy store, and were looking fast because they had to return to their motorhome and work the BUBBA contest.

On Fri, 30 Aug 2002, John R Kirby wrote:

Hi Tom,
As far as I am aware, you can change cw sideband on a 706 simply by holding
in the mode switch.

With kind regards,

Jack
G3PVG

----- Original Message -----

From: "Thomas Jennings" <jennings@eznet.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 30, 2002 1:22 PM
Subject: Re: New Icom QRP radio

> Hi Toru,
> I haven't heard any comments regarding cw on the 703.
> Do you know if cw is lsb on all bands with the IC703?
> CW is lsb on all bands with the IC706.
>
> Thanks for the info.
>
> 73,
> Tom kv2x
> Toru Kato writes:
>
> > Hi Bill ,
> >
> > This is just the 706 with out the final. With the same
> > > rec. it will draw the same power on rec. as the 706.
> >
> > I will give you information about IC-706 series.
> > In Japanese market, there is IC-706mk2G "S " 10 model.
> >
> > IC-706mk2G = 100W on HF
> > IC-706mk2GM=50W on HF
> > IC-706mk2GS=10W on HF
> >
> > There are 3-type of IC-706mk2G !
> > S means 10W HF model. Japanese 4th class amateur radio
> > licensee's HF power limit is 10W.
> >
> > There is TS-570VG, IC-746S, FT-897S, FT-100DS, FT-847S so on,
> > many many 10W HF RIG already exist in Japanese market.
> > (10W model : Kenwood V type, ICOM and Yaesu S type)
> >
> > But IC-703 is quite different from 10W IC-706mk2GS.

> > IF ICOM want to make 10W model with ease, ICOM could make IC-706mk2GS
> > export type model, but ICOM didn't do it.
> >
> > Why ?
> > IC-703 is new concept QRP transceivers, it looks like IC-706 but
> > IC-703's internal component is all new.
> >
> > Most different point is its "Current".
> > IC-706's RX current is 2000mA / 13.8V
> > IC-703's RX current is 450mA / 9,6V .
> > (But Of course K2's RX current is better.)
> >
> > IC-706 display is green but IC-703 display is orange.
> > Because orange LED display is lower current than green LED.
> >
> > IC-706 can not operate on 9,6V video camera battery,
> > but IC-703 can it ! 5A type handy video camera's battery is
> > smaller than 10A one, can carry easily.
> >
> > If you want to climb mountain alone, I recommend you FT-817, it is only
1kg
> > including internal battery, BNC antenna connector,
> > but only 2W / 2hours operation, it is hard to read out its display,
> > as it is too little, dark LED back light ! (I am one of the FT-817 user)
> >
> > In my opinion, I think IC-703 is suitable for "field operation",
> > like "a weekend picnic with a family" hi.
> >
> > If I use IC-703 with 5A portable battery, I can on the air on
5W/4-5hours.
> > IC-703 has a good orange display, nice shape factor 455kHz CW filter ,
DSP,
> > 3ch memory keyer, TCXO (especially TCXO is useful filed operation),
operation stand,
> > internal automatic tuner, only "2kg" weight, list price will be much
lower than
> > 100,000yen.
> > (@Tokyo Hamfair announce. IC-706mk2G list price is 148,000yen in Japan).
> >
> > If you want to need a wide band VHF receiver, high power TX 20W with
battery,
> > you can choose FT-897 but it will be much expensive than IC-703.
> > Yes! It is depend on "cost".
> >
> > I have FT-817 and IC-706mk2GM (M means 50W model, as Japanese field
> > operation is limited max 50W output), and K2. I like them very much.
> > I am now interested in IC-703.
> >

> > I hope you enjoy QRP field operation.
> > Thank you.
> >
> > JG1RVN Toru Kato
> > jg1rvn@jarl.com
> >
>
>
>
>
>

Date: Fri, 30 Aug 2002 13:50:07 GMT
From: Thomas Jennings <jennings@eznet.net>
To: qrp-l@lehigh.edu
Subject: [133733] Re: Strange fox night
Message-ID: <20020830135007.7621.qmail@eznet.net>
Mime-version: 1.0
Content-type: text/plain; charset="us-ascii"

Gang,
Same thing here in WNY. The only fox I heard was Tom and he was very very weak with lots of qsb also.

73,
Tom kv2x
Jim Stamper writes:

> Could barely hear Fox in Arizona sometimes with lots of QSB. Didn't hear
> the other Fox or the Truffle--both too close to Virginia but . . .
>
snip
> 73,
> jim-
> KG4LDY
>

Date: Fri, 30 Aug 2002 09:55:58 -0400
From: "Ken Kirkley" <no4d@charter.net>
To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [133734] Re: [TenTec] New Argonaut V 516 TCX0 ?
Message-ID: <006401c2502c\$f7f86730\$0300a8c0@LAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Mike,
The compelling reason for me was the cost for having it done at a later date...it was going to be MUCH more than the \$54. Don't do that much digital work, but do some.

Ken/N04D

----- Original Message -----
From: "Michael Melland" <w9wis@charter.net>
To: <tentec@contesting.com>
Sent: Friday, August 30, 2002 8:56 AM
Subject: [TenTec] New Argonaut V 516 TCX0 ?

> I've never had a rig with a TCX0..... and I "presently" don't do digital
> modes. I'm sure I fit the mold of many of you who have ordered the new
516
> .(mine is on order) I'm thinking of adding the TCX0 option to my
order....
> seeing that it should be installed at the factory.
>
> Other than digital modes is there any compelling reason to go with or NOT
go
> with the TCX0 option? It "is" only \$54....
>
> Thanks for your comments,
>
> Mike, W9WIS
>
>
> -----
> TenTec mailing list
> TenTec@contesting.com
> <http://lists.contesting.com/mailman/listinfo/tentec>
>
>

Date: Fri, 30 Aug 2002 10:02:09 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <J.Bennett@lboro.ac.uk>
Subject: [133735] Re: New Icom QRP radio
Message-ID: <003b01c2502d\$d6bc24c0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

And that is a feature I very much miss on my QRP radios. Where is Elecraft with this indispensable feature.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Jack Bennett" <J.Bennett@lboro.ac.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 30, 2002 9:45 AM
Subject: Re: New Icom QRP radio

> Hi Tom,
> As far as I am aware, you can change cw sideband on a 706 simply by
holding
> in the mode switch.
>
> With kind regards,
>
> Jack
> G3PVG

Date: Fri, 30 Aug 2002 10:12:18 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133736] Re: New Icom QRP radio
Message-ID: <3D6F4502.3659.54BAA94@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 30 Aug 2002 at 10:02, John J. McDonough wrote:

> And that is a feature I very much miss on my QRP radios. Where is Elecraft
> with this indispensable feature.

With the K2 you can switch sidebands by pressing the mode switch, also.

--

2002 BUBBA pictures at <http://w2agn.net/bubba2002.html>

John L. Sielke W2AGN
<http://www.w2agn.net>

Date: Fri, 30 Aug 2002 08:33:24 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
"cqc-1" <CQCLIST@yahoogroups.com>
Subject: [133737] UPDATED: the "Rock-Mite" files
Message-ID: <000501c25032\$33580ab0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks, the first 20m Rock-Mite joins the Rock-Pile, thanks to Mark,
K0EX.

73, Rod N0RC
the "Rock-Mite" files
<http://www.radioactivehams.com/~n0rc/rm/>
<http://www.qsl.net/n0rc/rm/> (mirror)

Date: Fri, 30 Aug 2002 10:35:58 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: "George, W5YR" <w5yr@att.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133738] Re: 88 foot dipole >?<
Message-ID: <20020830143554.LNLN2113.imf22bis.bellsouth.net@[192.168.0.20]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/29/02 5:24 PM, George, W5YR at w5yr@att.net wrote:

>As always, Bill gave out the straight poop. I would add just three
>advantages that I have found for the 88 ft dipole and its bigger brother
>the 176 ft dipole, both center-fed with ladderline.
>
>First, those lengths form 1.25 wavelength antennas on 20 and 40
>respectively. The free-space radiation pattern on those bands with those
>lengths is such that the main side lobes offer a gain of about 3 dB over a
>half-wave dipole. In the real world, mounted closer to the Earth than any of
>us would prefer, they still provide broadside gain approaching 3 dB
>relative to a dipole in the same location.

I'm gonna pick on George a minute.

We talk about these 88 foot or 176 foot or 44 foot dipoles. But, again,
the single most important dimension about a horizontal dipole isn't it's
length. It's the height above ground in wavelengths.

So, George, before we talk about dipoles having a particular pattern, or
having lobes with gain -- we should state how high they are.

Exactly how high is that 176 foot dipole? To follow LB Cebiks models for
patterns on 40m (the 88 foot variety on 20m), it would have to be 200
feet high! (scaled from the 88 foot variety at 100 feet).

Very few amateurs have supports that high. And any antenna on 40m at 200
feet is going to work pretty well.

So, from now on, whenever anyone makes a claim about horizontal dipoles
(of any length), I'm going to ask them how high that dipole is....

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Fri, 30 Aug 2002 10:48:02 -0400
From: Jeff Hecht <jhecht@dnaco.net>
To: qrp-1@lehigh.edu
Subject: [133739] How I ended up measuring varactor diodes
Message-ID: <3D6F85A1.5D4418A4@dnaco.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang.

If you remember my post from a couple of weeks ago, I inquired about measuring varactor diodes. As it turned out, using the capacitance meter on my DMM was not very reliable. I tried several different configurations, none of which worked very well.

I ended up making a VXO using a 3.579 Mhz crystal and creating a baseline using known capacitor values. It seems to work very well.

If you like, you can see the details on my web page at <http://www.qsl.net/k8gd>

Thanks, and best 72.

Jeff - K8GD

Date: Fri, 30 Aug 2002 11:12:22 -0400
From: "Hudson, Steve (RBI-US CMD)" <sdhudson@reedbusiness.com>
To: qrp-1@lehigh.edu
Subject: [133740] AA4BW moving sale nears its end (Aug. 30)
Message-ID: <A7E30DBD5928D442A7AE9EF215EEE133CD076D@BINCMDGNOREXC02>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Moving Sale for August 30:

Hi folks -

The moving sale nears its end! If you see several things you'd like, please feel free to make reasonable offers.

All plus shipping/insurance from 30004.

Thanks,

Steve Hudson AA4BW

RECEIVERS, TRANSMITTERS, OTHER HAM GEAR

"New Neophyte Receiver." The 624 Kits version. Built a long time ago by me. Built-up board only, no enclosure. Includes air-variable cap I used to use with it. I have not hooked up this board in many years, but it used to work fine (of course, you've heard THAT one before!). With instructions provided in 624 Kits kit. \$12.

Ramsey Electronics Model HR-80 80-meter receiver, built, in matching Ramsey case. Works fine. With original documentation. \$22.

Electronic Rainbow OSC-2 Code Practice Oscillator kit. New, unbuilt, unopened. \$4

Kanga LCK Receiver and Transmitter boards. Another project started and never finished. It was being built by me for 80 meters. The superhet receiver board appears to be finished; the transmitter board is not finished. Transmitter board still needs torroidal output filter coils and two torroidal transformers to be wound (cores appear to be missing from the bag) plus two BC183 transistors and one VN46 transistor and a few other Rs and Cs (also missing). Includes original instructions. No enclosure. Not for the faint of heart, but if you can finish it up it's said to yield a nice rig. Needless to say, since it's untested and unfinished it's as-is. \$19.

Ramsey Aircraft Band Receiver Kit, neatly built by me but never powered up and tested (if you've built many kits, you understand...) In original bag. With original documentation/instructions. \$18

624 Kits version of "A Simple and Accurate QRP Directional Wattmeter." From February 1990 QST and other ARRL publications, I believe. The one using two ICs (CA3160 and LM358) and a 0-1 ma meter. This is a built-up 624 Kits board kit, built by me but never put in a cabinet and tested. The bag includes the built-up board kit (with ICs, socket mounted) plus a bag of other miscellaneous and mostly related parts rounded up and corralled by me in hopes of eventually finishing it: these include about a half dozen mini toggle switches of various configurations, a bag of mechanical parts (PC-mount female RCA connectors, male RCA connectors, 9V battery connector). Package also includes a new-in-unopened-package 0-1 ma meter and enclosure to finish it off. Plus of course a copy of the original QST article. Again, please do note that since I have never tested the board it is as-is. \$15.

Vectronics factory-built "Tunable CW Audio Filter." Model VEC 841W. New in unopened box with original shrink wrap still intact. I had purchased this one new for myself, but then received one for a gift from family...better use the gift! It's a nice filter. \$35.

MFJ "Deluxe Electronic Keyer II." The very neat one using the Curtis 8044 chip, with the front-panel meter calibrated for readout of speed in words per minute. This is one of the two keyers that was in daily use here up till the move. Works perfectly, beautiful condition. Runs on 5-9vdc, with

built-in holder for four C-cells. No documentation. \$20.

"The G3RJV Six Pack" board. This is a PC board with etched/drilled boards for six projects: Plug & Play Transmitter, LED SWR, Volume Monitor, RF Probe, Quick Receiver, and Crystal Checker. The individual boards are designed and pre-cut to easily separate from one another for building the projects. On this one, the crystal checker board is missing. The others are here; the Plug & Play Transmitter Board has been removed from the main board and construction thereon has begun (by me) of the 80-meter version - I've wound and mounted all torroids, so the hard part is done; also mounted some (about half, I'd say) of the remaining parts. The transmitter will need a 2N3866 or equiv for the output, plus a few other various parts. Includes original instructions. Note that this is not the parts kit, just the boards, with the transmitter board partially built up as noted. \$12.

CWF-2 Audio Filter Board, by MFJ it seems I recall. Uses two 747 ICs and nice polystyrene caps. Board only, no enclosure, no docs, so as is. \$3

International Crystal modules. Three of them, as follows: one SAX-1 by itself, one OX-1 mounted on an aluminum box that's been outfitted with a switch and crystal socket to serve as a crystal tester (I checked this, and it works fine with 80 and 40 meter crystals), and another OX1 that appears to be for a higher frequency than the one that's serving as a crystal tester but that has a crack in the board material (traces unaffected, it appears). The two loose boards have not been tested. \$5 for the batch.

METERS

Meter. A "W.S. No. 19 Voltmeter" made by Simpson Electric Co., according to the logo embossed on the back. The scale is calibrated 0-15 and 0-600. On the lower left side of the scale it reads "Model 125" and on the lower right it reads "6323". I checked the movement and it works, but it does not read voltage directly...apparently a dropping resistor was used. The meter is in a black round case 2.75 inches in diameter and mounts in a 2.25 inch round hole. \$4

Meter. Lafayette, 0-10 volts. Works fine. Extra set of contacts at top; not sure what they're for. Rectangular face about two and three-eighths wide by one and three-quarters deep. Mounts in 1.5-inch hole. \$4.

Meter, Triplett 0-100 dc ua, round face 2 5/8 in. dia, mounts in 2.25 inch hole. \$5.

Meter, edge mount, 500 ua movement, scale calibrated 1-9. New. \$3.

Meter 0-50 milliamp, Triplett, meter has square face about 2.5 inches on a side and mounts in round hole about 2.25 inches. \$4.

"LED Voltmeter" board, built, model "VM-3" by ...? Small board with three LEDs (red, yellow, green) that (according to the schematic with 'em) indicate 11, 12, 13 volts. With copy of schematic, \$1.

Meter 0-5 milliamps. Westinghouse. Square face, 2.25 in. on a side, mounts in round hole just over 2 in. \$4.

Meter. Simpson, 0-500 microamps DC, 2.75 inch diameter round face, mounts in 2.25 inch hole. Brand new. \$6

All the "meter" items as a batch, \$21

PILOT LAMPS:

#1819 lamp. Bayonette base, 15 pcs. \$3

#1819 lamp. Bayonette base. 15 additional pcs. \$3

#1819 lamp. Bayonette base. 24-plus pcs. \$4

One jar of what appears to be NE-2 style bulbs. Many are coded with green and red dots. Wire leads. Jar measures 3.25x2 and is full. Looks like NOS. \$6 for jar.

Another jar of what appears to be neon bulbs. Various base styles. Quick inspection shows many GE 2Ds, plus others. Jar is about 3.25x2 and is just over half full. \$3

Another jar almost completely full of GE327s with some 334s and perhaps others. \$5

All the above pilot lamps \$18

SEMICONDUCTORS

These appear to be new but are untested by me and so are as-is:

Bag of about 15 1N4004 diodes. \$1

Bag of 12 pcs Motorola MC358AG ICs. \$3

Bag of 7 pcs Motorola MC357G ICs. \$3

Hybrid amplifiers: If I've counted right this includes 4 ea MHW1184, 4 ea MHW5382A, 5 ea MHW 5272A, 4 ea MHW5342A, and 4 ea MHW5142A. For all, \$20

2N2405 transistors. Bag of 12. \$3

2N2405 transistors. Another bag of 12. \$3

2N2405 transistors. Another bag of 12. \$3

2N2405 transistors. Another bag of 12. \$3

Bag of LM107 op amp ICs. 5 pcs. \$2

Bag of about 30 FND 367 seven-segment LED readouts. New. \$5

For all above semiconductors, \$28

UNUSUAL ITEMS and THINGS TO KEEP YOU ENTERTAINED ON LONG WINTER NIGHTS

Trac-One "Deluxe CMOS Keyer" unit. Acquired a long time ago at a hamfest just because it looked so interesting. This is a keyer, which a quick check shows does indeed generate dots and dashes (but I did NOT check it with a transmitter). This unit also includes a "de-QRMer" - a very narrow audio filter that is hooked to your receiver, then in turn keys an audio oscillator in the Trac-One to de-QRM received signals, if that makes sense. I quickly checked it out, and that feature does appear to work too, but since I have no documentation and no knowledge of this unit I have no idea if it's working right or not. I did not build this unit myself; the assembly is okay but could use some "neatening up" in some areas. Front has five controls (with knobs) and small slide switch for on-off, plus "lock" indicator light for the de-QRMer. Back has four quarter inch phone jacks, two slide switches, and mini phone jack for power. Top cover is missing. This could probably be a lot of fun to play with. Of course, as-is. \$12

TUBES

Three tubes: two 6146Bs, one 6146A. Presumably they were spares kept for use with one of those long-ago 6146-using rigs, but condition is unknown. All are in 6146 boxes, but the boxes are not the originals! All three tubes \$6

OTHER COMPONENTS

Bourns 3400-S-201 200-ohm ten-turn wirewound pot. Blue case. Quarter-inch shaft. It was obviously pulled from something at some point but is exceptionally smooth and checks out fine. \$3.

ANTENNA STUFF

Dipole built around Hi-Q Balun center insulator. New, never been outside from the look of it. Stranded copper attached to center insulator. Looks like it was being built for 20 or maybe 30 meters (didn't measure wire, just counted turns on the coils of wire and estimated). Two ceramic end insulators not yet attached to the wire ends. \$9.

Date: Fri, 30 Aug 2002 09:20:52 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [133741] Re: New Icom QRP Radio
Message-ID: <000f01c25038\$d5523380\$af813389@NORTHROPJ6SJ50>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom,

The 706 will do either lsb or usb CW. If you're in CW mode, press and hold the mode button and it'll beep once or twice and switch to CW-R (usb) mode. (I use that feature to zero beat a station--if the CW tone has the same pitch in CW-R mode as it does in CW mode, I'm zero-beat).

73 de Dave NK0E

Tom wrote:

I haven't heard any comments regarding cw on the 703.
Do you know if cw is lsb on all bands with the IC703?
CW is lsb on all bands with the IC706.

Thanks for the info.

73,
Tom kv2x

Date: Fri, 30 Aug 2002 11:38:13 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [133742] Rock Box for the Rock-Mite!
Message-ID: <3.0.6.32.20020830113813.007bb5b0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just put some photo's of my new Marble "Rock Box" with the Rock Mite built into it up on my web page. This well could be the first time a rig has been built into a box made of rock :-) (But I wouldn't be all that surprised if someone has done it before, hi) Pictures are on the main page, so just scroll down till you see them. URL in sig line.

Ron, you can save the images and put them in the Rock-Mite photo collection on your Rock Mite page!

Someone asked me where I got the Vermont Marble from, and forgot to get back to them. Well, I found the stuff laying around. Many large building supply places have marble tile, so I would check there if you want to try and make a rock box too, or need a piece for mounting a key or paddle onto.

72,

Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 30 Aug 2002 11:34:17 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [133743] Re: Rock Box for the Rock-Mite!
Message-ID: <5.1.0.14.1.20020830113325.00a70250@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Someone asked me where I got the Vermont Marble from, and forgot to get
>back to them. Well, I found the stuff laying around. Many large building
>supply places have marble tile, so I would check there if you want to try
>and make a rock box too, or need a piece for mounting a key or paddle onto.

Steve,

You read my mind. How does one work marble? I'm guessing the coping saw
isn't likely to help much.

Dave

I'd rather be thought ignorant than stupid. Ignorance is curable.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 26 Aug 2002 12:32:53 -0400
From: "Robert L. Kellogg" <ae4ic@nr.infi.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133744] [Fwd: KL Net QNS for Sunday 08/25/02]
Message-ID: <3D6A5835.23F0BB56@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Just thought you'd like to know the Knightlite QRP net is alive and kicking. It's at 9 PM Eastern time every Sunday night on 3.6864 MHz. Don't be afraid to drop in once in a while.

Every once in a while we get some real "DX". The Canadian QRPers check in once in a while and so do some of the far mid-west guys.

As you can see by Gary, N3GO's post, we're working on getting a PSK-31 net started, too.

----- Original Message -----

Subject: [KLQRP] KL Net QNS for Sunday 08/25/02

Date: Sun, 25 Aug 2002 23:16:34 -0400

From: "Gary E. O'Neil" <gary_oneil@juno.com>

To: klqrp@knightlites.org

Wow!

What a great turnout gang. If it weren't for the miserable QRN and temperatures in the high 90's, I'd swear we were in the throws of winter.

Everybody cut through the QRN like a hot knife through butter though, and the net was humming for more than an hour. I even heard a couple of our winter regulars from New England (WB1HBE, and K1CL in Chelmsford, Ma) as the net opened, but I think they were ending a QSO wid one another and just missed hearing me start the net.

I spent far too much time wid PSK this weekend, but I'm now happy to say that I think I'm about ready to QSO in that mode. I haven't heard anything on 80 yet, and spent most of my time on 20 listening and setting up the function keys. I'll be running the Digipan software on my soundcard, and it seems to work fine. I'll be looking forward to checking into Sir Randy's net when he gets it going. I have to refine my installation so the software does the PTT, but otherwise, it should be ready to rumble. :-)

I had to tune up before the net, since I was off playing on 20 earlier. Sir Dennis (W4USR) was waiting in the wings for the net to start, and we had a brief QSO just prior to showtime. His signal knocked the dust off my rig, and all over my notepad, but I managed to get the mess cleaned up

before the net. He dropped down to QRP before I started though, so I wouldn't have a similar mishap during the net. :-) He was still a solid 30 dB over S9 here even after the dust settled.

The net opened with half the QNS list at the first call:

AC4QX, Sir Lauren in Lake Gaston, NC topped the roster, and hammered through the QRN. His Lady was already headed for home, and he held down the weekend getaway a bit longer so he could QNI, but was headed for home soon after.

WW8D, Sir Tom in Bluefield, WV was hot on Sir Lauren's heels, and early into the net this week. He was haunted by QRN, but we managed a good rag chew from him just the same. I think he was a bit exhausted from riding the trails in the mountains, and was probably happy to be in the shack resting. :-)

N4DR, Sir Marc, in Rockville, Md appears to have mastered the KeyLite already. I'm still alternating between that and my keyer, but he was a real pleasure to copy... even with the horrid QRN. Sir Marc has confessed to running his QRO K2 at a whopping 10 Watts, so I'm sure that helped cut through the crud also. All is forgiven Sir Marc, and while we don't need the extra heat down here, it did help make the copy a bit more leisurely. Thanks OB.

W4USR, Sir Dennis, in Cary, NC came back to gain a spot on our roster, and having him at QRP has resulted in no penalty from his QTH. His 80 foot high, 300 foot longwire was crushing the QRN within 200 miles of Raleigh tonight. :-) He was sporting a new SGC auto tuner between his rig and longwire, and the result yields a perfect match for the KL net. I'm sure his signal is bigger and better than mine now... Hm... So you interested in running NCS for awhile Sir Dennis??? :-) I'm not kidding that he's got a killer system now... His tuner is mounted on his garden fence, which is probably as ideal a counterpoise as you're going to get for a longwire. I'm looking forward to hear some of his QRP catches with this system.

That ended the first round of QNI's and before I could start tapping out a call for the next one, AE4IC, Sir Bob, was poised at the pole position. N4LK, Sir Jack, was right on his heels, and AB4PP, Sir John Paul right behind him.

AE4IC, Sir Bob, in Greensboro, NC was battling the QRN, as we all were, and while he didn't have any news for the net, he wanted to make his presence known and add his call to the roster. He had his usually great signal here into Raleigh, and the QRN seems to step aside when his signal graces the ether. I hope you and Lady Ellen remain well my friend, and we'll be looking for you often as conditions start improving. They will get better... I just know it.

N4LK, Sir Jack, here in Raleigh, NC with your's truly, and not as far from my QTH as is my horizon. He seemingly seems to find a way to skip over me though, and sometimes I have to dig a bit to pull him up from under the QRN. Tonight, he was in rare form though. His signal dealt a crushing blow to S-meter, and had he sent any slower, my meter needle would have shattered when it hit the stop. Great signal tonight Sir Jack.

We all must forgive Sir Jack for his being a bit aloof this evening too... I think he saw a mirage and he became a bit less attentive to the net. We've been in a drought for so long now, when a breeze gusts slightly, and a dust particle starts falling earthward, it's easy to mistake it for a rain drop. He was sticking his tongue out the window to catch it, and had to send with his foot again. He's been practicing this maneuver for weeks though, and it's hard to tell he doing it any more... Starting to sound like he's got a KeyLite built into his shoe.

AB4PP, Sir John Paul, in Raleigh, NC was doing an Irish gig at his QTH. Sparks were starting to fly around his shack, and he was getting nervous about an approaching storm he brought back from the beach with him. He stole an entire school of fish, and I think the rain gods are after him. I assured him that this was a good thing however, and we would forgive him if, by mistake, we ended up getting some of the rain headed his way.

That ended round two, and I managed to be quick enough at the keyboard to blurt out my second CQ for KL QNI's.

WA4GIR, Sir Joe, in Research Triangle Park, NC is fast becoming a KL net regular, and is his pal Sir Tom, WW8D. The only problem is that they can't seem to arrive at the same end of the roster. :-) Sir Joe was running QRO tonight to put the heat on his transceiver that he's going to be parting with at the Shelby, NC hamfest next week. I don't know why such a great hamfest has to be held on a long holiday weekend. Your signal scorched the ends of my ear lobes Sir Joe, so it's got plenty of QRO to spare. I hope you get QRO dollars for it at Shelby... Bring back some nice QRP toys and share your adventures with them at the September QRPigOut with you and Lady Liz OB.

That took us to just past 2200 local (EDST) gang, and there were no replies to my follow on CQ's for QNI's. The net was closed, and I was feeling so in the groove at the close, that I just had to file this net report while the momentum was still going.

Thanks for supporting the KnightLites Net gang. I know the QRN has been making our lives a bit wearisome, but it will improve as the winter months approach. Hang in there, and I'll look forward to chatting with you all again next Sunday. I hope to hear the regulars we missed back with us again next Sunday as well. Take care, stay safe, happy, and healthy.

72 es GE gang... Thanks again for another great gathering.

Sir Gary, N3GO
NCS for WQ4RP
Raleigh, NC

===== KL QRP Club Mailing List =====
To unsubscribe from this list, send email to
listserver@knightlites.org and put the text "unsubscribe klqrp"
in the message. To post a message to the list, send email to
klqrp@knightlites.org.

Date: Fri, 30 Aug 2002 12:14:24 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <WD8CIV@worldnet.att.net>, "chat qrp" <qrp-l@lehigh.edu>
Subject: [133745] Re: Rock Box
Message-ID: <008d01c25040\$4ee11ca0\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In a previous life I cut rock for landscaping features. (waterfalls, reflecting pools, etc) It involved diamond blades and cups, hammer/chisels... some pretty big. Diamond is only required for professional use... "Masonry" grade carbide wheels are fine for quick jobs on "soft" marble. For Steve's "Rock Mite Mausoleum" we used a 7" diamond blade on my skill saw, and a 4" diamond surfacing cup on a Makita right angle grinder. You can do it wet (fine mist) or dry, (w/respirator). It's messy either way but dry is really bad. Use small carbide tipped drills for through holes. (easy on the pressure) Fine finishing can be

accomplished with "wet/dry" sandpaper on sanding blocks, starting with 80/100 grit and going all the way up to 320 for that glossy look. This will definitely NOT be a backpacking rig!

It's important that when you clean your glasses, FLUSH them BEFORE rub/drying -or viewed objects will have a permanent, annoying fuzziness about them.

73

AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "David Hinerman" <WD8CIV@worldnet.att.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, August 30, 2002 11:34 AM

Subject: Re: Rock Box for the Rock-Mite!

>
> >Someone asked me where I got the Vermont Marble from, and forgot to get
> >back to them. Well, I found the stuff laying around. Many large building
> >supply places have marble tile, so I would check there if you want to try
> >and make a rock box too, or need a piece for mounting a key or paddle onto.

>

> Steve,

>

> You read my mind. How does one work marble? I'm guessing the coping saw
> isn't likely to help much.

>

> Dave

>

>

>

> -----

> I'd rather be thought ignorant than stupid. Ignorance is curable.

> -----

> Dave Hinerman

> WD8CIV@worldnet.att.net

>

Date: Fri, 30 Aug 2002 09:27:28 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [133746] Binocular cores concensus
Message-ID: <MABBJOEABOILMKCJCLFCAENLDIAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>From the several replies I've received, it seems the proper way to measure the AsubL for these cores is to wind the test turns through both holes. So, soon as I clean of a space on the workbench and set up my little bit of test equipment, I'll see what I can learn about these "orphan" cores.
Thanks all and 73,
Bob N6WG

Date: Fri, 30 Aug 2002 09:30:59 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [133747] 55 ft dipole :-)
Message-ID: <MABBJOEABOILMKCJCLFCGENLDIAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just another point of view. There is nothing sacred about the 88 ft length. It just happened to meet a particular criteria that L B Cebik had set up.

A more important criteria is what kind of space does the interested ham have to work with? In my case, I have room for 55 ft dipoles, center fed with tuned lines. I have supports for 35 ft elevation, so that's what I use. I'm fortunate in being able to put a second identical dipole behind the first, and phasing them. This has worked out extremely well on both 40m and 20m.

This array allowed me to be an effective Fox a number of times on both 40m and 20m, plus be an effective participant in the hunt-winning Big Dawgs team.

Another note. In modeling these antennas, I find that I'm better off keeping the antenna at 55 ft and flat, rather than dropping the ends to reach 67 ft for resonance.
The dropped ends actually reduce the gain a bit. So the tradeoff is gain

with tuned lines and multiband operation vs resonance with no tuner and single band operation.

Each of us figures out his own set of compromises and runs with it.

73, Bob N6WG

Date: Fri, 30 Aug 2002 12:34:34 -0400
From: "Alan Fryer" <N3BJ@hotmail.com>
To: <rondec@easystreet.com>
Cc: <qrp-1@lehigh.edu>
Subject: [133748] Re: [Elecraft] K2 spurious 'power' and 'speed' indications
Message-ID: <000d01c25043\$20000ba0\$b93d0a44@rn.hr.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have noticed this on a least two K2s I have used.....Not a big deal, but perhaps Wayne or Eric could comment, probably has been covered before. I've got a good memory, but it's real short.....

Alan, N3BJ
Bent Mountain, VA

----- Original Message -----

From: "Ron D'Eau Claire" <rondec@easystreet.com>
To: <elecraft@mailman.qth.net>
Sent: Friday, August 30, 2002 2:33 AM
Subject: RE: [Elecraft] K2 spurious 'power' and 'speed' indications

> Very intermittently while I am turning the main tuning knob (and not
> catching the other knobs by mistake) the display momentarily changes
> to display either the 'power' or 'speed' settings (as if I had moved
> the relevant knobs). It even did it once when I was not touching the
> rig at all.
> ...
> Perhaps just a little annoyance, but has anybody else had this?
>
> 73s Dave G3YMC
>
>
> That's something I have noticed on my K2 since it was built 2+ years
> ago. It's been through two firmware upgrades and I did the "hardwire"
> version of the frequency walking fix with no change in this behavior.

>
> I don't recall it doing it spontaneously, but it does happen in response
> to turning the main tuning from time to time.
>
> As you said, it's a "little annoyance" and not something significant
> enough for me to pursue.
>
> Ron AC7AC
> K2 # 1289
>
>
>
> -----
> Elecraft mailing list: Elecraft@mailman.qth.net
> You must be a list member to post to the list.
> Postings must be plain text (no HTML or attachments).
> See: <http://mailman.qth.net/mailman/listinfo/elecraft>
> Elecraft Web Page: <http://www.elecraft.com>

Date: Fri, 30 Aug 2002 17:40:42 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-1@lehigh.edu>
Subject: [133749] Noise source
Message-ID: <DAV68FluZw0VclXez2N00000c95a@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've just uploaded details of a simple broadband noise source to my web
site:

http://www.geocities.com/leon_heller/noise.html

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Fri, 30 Aug 2002 10:01:10 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [133750] Re: Strange fox night
Message-ID: <20020830170110.GB862@bob.n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Such are the ways of propagation! Fortunately they were both fairly loud in WA.

73, Bob N7XY

On Fri, Aug 30, 2002 at 01:50:07PM +0000, Thomas Jennings wrote:

> Gang,
> Same thing here in WNY. The only fox I heard was Tom and he was very very
> weak with lots of qsb also.
>
> 73,
> Tom kv2x
> Jim Stamper writes:
>
> > Could barely hear Fox in Arizona sometimes with lots of QSB. Didn't hear
> > the other Fox or the Truffle--both too close to Virginia but . . .
> >
> snip
> > 73,
> > jim-
> > KG4LDY
> >

Date: Fri, 30 Aug 2002 13:13:56 -0400
From: W2AGN <w2agn@w2agn.net>
To: qrp-l@lehigh.edu
Subject: [133751] Solar Flare
Message-ID: <3D6F6F94.30308.5F1F925@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Getting ready for the weekend, looks like an X1 flare a little while ago. Don't have any details.

--

2002 BUBBA pictures at <http://w2agn.net/bubba2002.html>

John L. Sielke W2AGN
<http://www.w2agn.net>

Date: Fri, 30 Aug 2002 10:16:27 -0700 (PDT)
From: Wayne AA5JJ <aa5jj@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133752] 30 meter noise
Message-ID: <20020830171627.44680.qmail@web10501.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

There is some kinda data transmissoin on 10.130 can
anyone thell me what this is ?

73 Wayne

Do You Yahoo!?
Yahoo! Finance - Get real-time stock quotes
<http://finance.yahoo.com>

Date: Fri, 30 Aug 2002 12:44:22 -0500
From: "George, W5YR" <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133753] Re: Steath Twinlead??
Message-ID: <3D6FAEF6.2FA544FE@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have read of tests of ladderline and twinlead for the effects of water,
but has anyone done any experimental work with the effects of painting such
lines? I would suppose that different paints might have a range of effects
from "none at all" to "major."

In the "old days" we would coat TV twinlead used for folded dipoles with
Johnson's paste wax to bead up the water and keep it from forming a film. I
could never see any effects of the wax on the electrical properties, but in
1946 I was not all that clear on what "SWR" was all about. <:}

Interesting stuff . . .

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas

In the 57th year and it just keeps getting better!

"Karl F. Larsen" wrote:

>
> Hi Dave, don't forget that 300 ohm ribbon has a lot more loss than the
> 450 ohm window ribbon. I think you could paint this line with spray-can
> white and it would be stealth, sort of....
>
> On Thu, 29 Aug 2002, David Gauding wrote:
>
> > At 09:36 PM 8/29/02 -0400, you wrote:
> >
> > > Anyone know of a source of white or grey twinlead?
> > >
> > > Hello Dean,
> > >
> > I've seen clear twinlead, as most of us probably have, but never white or
> > grey. I don't ever recall painting it.

Date: Fri, 30 Aug 2002 13:45:56 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: aa5jj@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133754] Re: 30 meter noise
Message-ID: <3D6FAF54.6393DDE5@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The noise that sounds like a chain saw buzzing.....
Hear that at 1745 z....

Fred
VE3FAL

Wayne AA5JJ wrote:

>
> There is some kinda data transmissoin on 10.130 can
> anyone thell me what this is ?
>
> 73 Wayne
>
> -----
> Do You Yahoo!?
> Yahoo! Finance - Get real-time stock quotes

> <http://finance.yahoo.com>

Date: Fri, 30 Aug 2002 14:05:19 -0400
From: "David J. Adams" <david@theadamsclan.com>
To: qrp-1@lehigh.edu
Subject: [133755] Icom 706mk2G For Sale
Message-ID: <3D6FB3DF.2000106@theadamsclan.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Greetings! I have an Icom706mk2g for sale. I bought the unit used from the Ham Station in Evansville, Indiana about a year ago. Rig is functionally 100%, cosmetically looks about average, usual buffs/scratches on case. Pictures avail upon request. Package includes rig, hand mic, 706 tune control option (better RF adapter), manual (a bit tattered), and optional 500Hz CW filter installed. Price: \$600+shipping. Paypal, COD or prepay with Check.

Why am I selling? Let's just say the wife and the checkbook are a dangerous combination.

73 de dave, n9uxu

Date: Fri, 30 Aug 2002 11:11:17 -0700
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133756] Slightly OT: K2
Message-ID: <003701c25050\$a392ae20\$493ecd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those of you who don't read CQ Magazine, the September issue reports on the results of the 2001 CQ WW CW DX Contest. The best reading is not the scores -- it is in the "soapbox" feature where the entrants offer their comments post-contest.

The single radio which gets the most praise from DX and USA contestants alike is the K2 ...

That's a pretty good endorsement

72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Fri, 30 Aug 2002 13:06:32 -0500
From: "Rob Matherly" <w0jrm@arrl.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133757] Re: Paul (NA5N)
Message-ID: <00a901c25050\$39587760\$be11a541@jimrob>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<---
...you should meet Paul and his radio active wife at a Hamfest!
---> ^^^^^^^^^

I bet she'll be easy to find if the lights go out ;^)

72/73/oo
Rob, w0jrm

=====
Visit my website! <http://www.qsl.net/w0jrm>
=====

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.384 / Virus Database: 216 - Release Date: 8/21/02

Date: Fri, 30 Aug 2002 12:40:30 -0600
From: "John_Evans" <jae@codenet.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133758] Re: Paul (NA5N)

Message-ID: <200208301240.AA72220804@mail.codenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Her name is Glo !!!!!

72 - john - n0hj

----- Original Message -----

From: "Rob Matherly" <w0jrm@arrl.net>
Reply-To: w0jrm@arrl.net
Date: Fri, 30 Aug 2002 13:06:32 -0500

><---

>...you should meet Paul and his radio active wife at a Hamfest!
>----> ^^^^^^^^^

Date: Fri, 30 Aug 2002 14:53:00 -0400
From: "Alan Fryer" <n3bj@hotmail.com>
To: alan.kaul@worldnet.att.net, qrp-1@lehigh.edu
Cc: Elecrafft@mailman.qth.net
Subject: [133759] K2 wins CQWW (Was Slightly OT: K2)
Message-ID: <F197DYyRSGfM7QugGly0000757e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Alan

Have to stick a note in here....

After a few years of trying, I won the CQWW CW USA All Band QRP class in 2001. My rig was my original Field Tester K2 #78. The performance of the K2 in full tilt contest conditions is as good or better than any other rig I have ever used and I've used them all....both at home and at MM and MS stations. The superior close-in dynamic blocking characteristics and the ability to accurately adjust the filters and BF0(using Spectrogram)gives the K2 a leg up on the commercial rigs.

Hats off to Eric and Wayne ! The K2 is just now getting the widespread recognition it so richly deserves.

Alan, N3BJ
Bent Mountain, VA

>From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
>Reply-To: alan.kaul@worldnet.att.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Slightly OT: K2
>Date: Fri, 30 Aug 2002 11:11:17 -0700
>
>For those of you who don't read CQ Magazine, the September issue reports on
>the results of the 2001 CQ WW CW DX Contest. The best reading is not the
>scores -- it is in the "soapbox" feature where the entrants offer their
>comments post-contest.
>
>The single radio which gets the most praise from DX and USA contestants
>alike is the K2 ...
>
>That's a pretty good endorsement
>
>72/73 de alan
>
>
>Alan Kaul, W6RCL, LaCanada, CA
>w6rcl@amsat.org
><http://home.att.net/~alan.kaul/index.html>
>

Alan, N3BJ
Bent Mountain, VA

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Fri, 30 Aug 2002 12:55:38 -0600
From: Rod N0RC <rod@n0rc.us>
To: <qrp-l@lehigh.edu>
Subject: [133760] TS help Needed: Microphonic Rock-Mite
Message-ID: <20020830185538.340.qmail@uworldvg007.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Folks,

I just finished building a 20m Rock-Mite. Unfortunately it has an annoying microphonic characteristic. When the case is taped a loud ringing artifact is heard in the headphones. I've never experienced this with solid state gear. (have noticed it in tube gear over the years)

I'm at my wits end trying to isolate it. I think it is the oscillator XTAL, because: When I kill the OSC by grounding the base of Q4 (LO XSTR), the noise will not occur. Sound reasonable? Any other ideas to trouble shoot such a thing?

Other than that, the rig works great, 500+ mW at ~14059 and ~14060, and the RX hears well. If I make the ARS Sprint MON night I'll be using this rig.

73, Rod NØRC

Date: Fri, 30 Aug 2002 11:54:58 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133761] Re: Slightly OT: K2
Message-ID: <20020830185458.GA1769@bob.n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Fri, Aug 30, 2002 at 11:11:17AM -0700, Alan Kaul, W6RCL wrote:
> For those of you who don't read CQ Magazine, the September issue reports on
> the results of the 2001 CQ WW CW DX Contest. The best reading is not the
> scores -- it is in the "soapbox" feature where the entrants offer their
> comments post-contest.
>
> The single radio which gets the most praise from DX and USA contestants
> alike is the K2 ...
>
> That's a pretty good endorsement

There's an article "The DX Prowess of HF Receivers" in the latest QEX which explains the importance of some of the specs and shows how the K2 excels (and why my TS-570D does not!)

73, Bob N7XY

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

n7xy@n7xy.net

Date: Fri, 30 Aug 2002 12:04:21 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <qrp-l@lehigh.edu>
Subject: [133762] Need FT 817 for measurement
Message-ID: <002d01c25058\$237f88e0\$8b393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm making a custom mount for the Porta-Paddle for the 817...i know the mic jack configuration, but I need an 817 to measure up for the actual mount...I will be at the NorCal meeting this Sunday & would be very appreciative if someone brought theirs for me to examine...i could make it worth your time!

TNX & 72,

Doug KE6RIE

Date: Fri, 30 Aug 2002 19:02:41 GMT
From: na5n@zianet.com
To: w2agn@w2agn.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133763] Re: Solar Flare
Message-ID: <20020830190241.15756.qmail@zianet.com>
Mime-version: 1.0
Content-type: text/plain; charset="us-ascii"

W2AGN writes:

> Getting ready for the weekend, looks like an X1 flare a little while ago. Don't have any details.

There was an X1 flare mid-morning friday. It came from region 95, a brand new, just numbered region that is rotating into view. This means that the coronal mass ejection (CME) it may have blown off will NOT be hitting the earth to trigger any geomagnetic storms. However, the

electrons and protons it flung off are charging up our ionosphere now, and could cause problems a bit later if the ionizing radiation penetrates down into the D-layer. That will caused enhanced attenuation to HF signals. So far, the various satellites that monitor this stuff show no real proton activity from this flare. So the bands may be decent even for those in VE/KL7 land this weekend.

Generally, the bands should be fairly decent this weekend with no real geomagnetic disturbances appearing likely. The low solar flux will make the higher bands a bit mushy for daytime skip propagation, so check out 10-15M when you decide to get on for activity. 10M will be "iffy."

This region could cause us some grief early next week if it continues to grow and rotates into position where it will effect the earth. It is already a "delta" group, meaning very complex and strong magnetic fields around the sun spots ... the signs it has the potential of producing a major flare. Remember, it takes 2-3 days for the shockwave of a solar flare to reach the earth, so even if a major flare were to occur later today or this weekend, it doesn't mean it will be shutting down the bands immediately. The "solar storm" part of a flare usually only lasts for 2-3 hours following the flare.

Have a good Labor day weekend, everyone.

72, Paul NA5N

Date: Fri, 30 Aug 2002 12:18:02 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <qrp-1@lehigh.edu>
Subject: [133764] MityBox Today!
Message-ID: <002e01c2505a\$0fd9b5c0\$8b393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Proofed the first CNC setup successfully & will be proofing the second & third setups today...barring major problems I will have a completed MityBox this afternoon...I'll take some pics, but I am leaving tomorrow morning so it will be next week before i can get pics posted on my page. I will bring the proto to the NorCal meeting this Sunday!

I received the material for the production run this morning, so I will be able to run the MityBoxes next week & get them to the anodizer...should be shipping week after next!

72,

Doug KE6RIE

Date: Fri, 30 Aug 2002 12:17:05 -0700 (MST)
From: cyr999@extremezone.com
To: Alan Fryer <n3bj@hotmail.com>
Cc: alan.kaul@worldnet.att.net, qrp-1@lehigh.edu,
Elecrafft@mailman.qth.net
Subject: [133765] K2 wins CQWW - Totally Cool!!
Message-ID: <1030735025.3d6fc4b1d1ae0@webmail.extremezone.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Now that's about as cool as it gets. Very neat Alan. A great compliment to the operator and to the K2. Congratulations! 73/Tim NZ7C

Quoting Alan Fryer <n3bj@hotmail.com>:

> Alan
>
> Have to stick a note in here....
>
> After a few years of trying, I won the CQWW CW USA All Band QRP class in
>
> 2001. My rig was my original Field Tester K2 #78. The performance of
> the K2
> in full tilt contest conditions is as good or better than any other rig
> I
> have ever used and I've used them all....both at home and at MM and MS
>
> stations. The superior close-in dynamic blocking characteristics and the
>
> ability to accurately adjust the filters and BFO(using Spectrogram)gives
> the
> K2 a leg up on the commercial rigs.
>
> Hats off to Eric and Wayne ! The K2 is just now getting the widespread
>

> recognition it so richly deserves.
>
> Alan, N3BJ
> Bent Mountain, VA
>
>
>
> >From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
> >Reply-To: alan.kaul@worldnet.att.net
> >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> >Subject: Slightly OT: K2
> >Date: Fri, 30 Aug 2002 11:11:17 -0700
> >
> >For those of you who don't read CQ Magazine, the September issue
> reports on
> >the results of the 2001 CQ WW CW DX Contest. The best reading is not
> the
> >scores -- it is in the "soapbox" feature where the entrants offer
> their
> >comments post-contest.
> >
> >The single radio which gets the most praise from DX and USA
> contestants
> >alike is the K2 ...
> >
> >That's a pretty good endorsement
> >
> >72/73 de alan
> >
> >
> >Alan Kaul, W6RCL, LaCanada, CA
> >w6rcl@amsat.org
> ><http://home.att.net/~alan.kaul/index.html>
> >
>
>
>
>
> Alan, N3BJ
> Bent Mountain, VA
>
>
>
> -----
> MSN Photos is the easiest way to share and print your photos:
> <http://photos.msn.com/support/worldwide.aspx>
>
>
> -----
> Elecraft mailing list: Elecraft@mailman.qth.net

> You must be a list member to post to the list.
> Postings must be plain text (no HTML or attachments).
> See: <http://mailman.qth.net/mailman/listinfo/elecraft>
> Elecraft Web Page: <http://www.elecraft.com>
>

Date: Fri, 30 Aug 2002 12:39:31 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <qrp-l@lehigh.edu>
Subject: [133766] Porta-Paddle shipping/ Sexy Base Ready!
Message-ID: <008301c2505d\$0e3f3840\$8b393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fully a third of the second round of p-p anodizing was bad, had to send them back for strip, then back here for re-polish, then back for re-anodizing...will be back Tuesday, shipping will be caught up by Wednesday next week...sorry for the delay!

The Bases are ready! They will be \$17.95 + shipping, I'll have to determine shipping cost - these things are heavy! I'll get pics & full info on my page www.americanmorse.com in a few days....I will have a few at the NorCal meeting Sunday...(too heavy to carry many on my bike!)

TNX & 72,

Doug Hauff KE6RIE

Date: Fri, 30 Aug 2002 14:40:46 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'N3BJ@hotmail.com'" <N3BJ@hotmail.com>,
 Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133767] RE: [Elecraft] K2 spurious 'power' and 'speed' indications
Message-ID: <01C25033.40C1EBC0@KKANALZ>

Hi there, Alan!

I have a pretty good memory too, and like you it's really short....

Aw shucks! Now I forgot why I was sending this message..... (big grin)

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Alan Fryer [SMTP:N3BJ@hotmail.com]
Sent: Friday, August 30, 2002 11:35 AM
To: Low Power Amateur Radio Discussion
Subject: Re: [Elecraft] K2 spurious 'power' and 'speed' indications

I have noticed this on a least two K2s I have used.....Not a big deal, but perhaps Wayne or Eric could comment, probably has been covered before. I've got a good memory, but it's real short.....

Alan, N3BJ
Bent Mountain, VA

Date: Fri, 30 Aug 2002 19:45:05 GMT
From: rsstone@juno.com
To: qrp-1@lehigh.edu
Subject: [133768] Communications Quarterly Fall 1998
Message-ID: <20020830.154550.2761.2326@wm1.nyc.unttd.com>

Hi - Does anyone have this issue or more specifically the article by Hannes Coetzee (ZS6BZP), "Multi-Band Direct Conversion Receiver"? Would appreciate a copy. Please respond direct. Thanks for your help.

72,

Ron (KA3J)
Bethesda, MD
rsstone@juno.com

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<http://dl.www.juno.com/get/web/>.

Date: Fri, 30 Aug 2002 00:33:46 -0700

From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@lehigh.edu>
Cc: <na5n@zianet.com>
Subject: [133769] Re: Paul (NA5N)
Message-ID: <000d01c24ff7\$961a0800\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

By the way, you can meet both Paul and Jan at Pacificon. Paul will be one of the featured speakers, and he has a whale of a program planned. Jan will be there in her official capacity as NorCal Contest Manager. If you have any questions or suggestions about the NorCal contest (QRP to the Field), then you can discuss it with her in person.

Paul Harden is a National Treasure. He is a wonderful writer, humorist, artist, and is one whale of a speaker. Don't miss this opportunity to see Paul in his first appearance in 3 years at QRPacificon.

Dang it, I thought sure that I had won the \$100!! Oh well, the pie was good. By the way, if you ever get the chance take the drive along Route 60. Be sure and stop at Pie Town for pie, and when you get to Datyl, stop for a huge, and I mean huge steak at the Datyl Cafe. I bet you won't be able to eat it all (especially if you had pie first, grin). And like all good cafes in the west, they serve beer Dr. Megacycle. Another good stopping point is the Owl Bar & Grill in San Antonio, NM, just south of Socorro. Socorro has this famous hotel where the food is good but expensive. Has the atmosphere and all that. But when I am in Socorro, I go to the Owl Bar, cheaper, better food, and you can't beat the atmosphere and decor. Plus the Socorro Hotel doesn't give out Official Owl Bar key chains, grin. Paul will verify this. 72, Doug

Date: Fri, 30 Aug 2002 13:49:59 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rob Matherly <w0jrm@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133770] Re: Paul (NA5N)
Message-ID: <Pine.LNX.4.44.0208301347220.3746-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You guys are too much! There is a huge difference between radio active and radioactive. My wife basically hates Ham Radio so it's a real

pleasure to meet Paul and his wife who enjoy operating CW.

On Fri, 30 Aug 2002, Rob Matherly wrote:

```
> <---
> ...you should meet Paul and his radio active wife at a Hamfest!
> --->                      ^^^^^^^^^^
>
> I bet she'll be easy to find if the lights go out ;^)
>
> 72/73/oo
> Rob, w0jrm
>
> =====
> Visit my website! http://www.qsl.net/w0jrm
> =====
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.384 / Virus Database: 216 - Release Date: 8/21/02
>
>
```

--
72, Karl K5DI

```
  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _
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Date: Fri, 30 Aug 2002 12:50:30 -0700
From: "Chetan Bhargava" <wiz@bhargavaz.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133771] Re: MRX-40 Testing
Message-ID: <018a01c2505e\$8567de80\$2701a8c0@chetan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks all for responding my query. I tested my MRX-40 with help of AA6NX and it works. All I needed was a big antenna :-)

Thanks,

Chetan Bhargava
<http://www.bhargavaz.net>

Date: Fri, 30 Aug 2002 14:55:22 -0500
From: George Franklin <w0av@juno.com>
To: n3bj@hotmail.com
Cc: qrp-1@lehigh.edu
Subject: [133772] Re: K2 wins CQWW (Was Slightly OT: K2)
Message-ID: <20020830.145707.-1263967.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Alan,

I'll drink to that!

72 de George/W0AV
K2 SN 550
Hamming since '35

Date: Fri, 30 Aug 2002 15:59:10 -0400
From: W2AGN <w2agn@w2agn.net>
To: ki6ds@dph.dpol.net,
 Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133773] Re: Paul (NA5N)
Message-ID: <3D6F964E.9817.68948AA@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 30 Aug 2002 at 0:33, Doug Hendricks wrote:

>
> Paul Harden is a National Treasure. He is a wonderful writer, humorist,
> artist, and is one whale of a speaker. Don't miss this opportunity to see
> Paul in his first appearance in 3 years at QRPacificon.
>

Just watch what he eats! The last Atlanticon, he and Jan had "Jimmy Hoffa's Revenge" the whole weekend!

--

2002 BUBBA pictures at <http://w2agn.net/bubba2002.html>

John L. Sielke W2AGN
<http://www.w2agn.net>

Date: Fri, 30 Aug 2002 23:44:17 +0400
From: "Oleg V. Borodin" <master72@lipetsk.ru>
To: "Dave Fouchey" <dafouchey@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133774] Re: Rigs TOO SMALL!
Message-ID: <004101c25061\$b46409e0\$5ae422c3@user>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Oleg I like that idea, for a low power rig though I am wondering how much
>the reduction in loss through the coax would be offset by the I/R drop
>over the control lines?

Dear Dave!

It's only _idea_ need to try. Certainly, it's not for constant using, just
for a day or two portable QRV.
But that's original - only key and phones at your table without rig-box :-)
72! Oleg RV3GM

Date: Fri, 30 Aug 2002 16:15:02 EDT
From: NA1XX@aol.com
To: qrp-l@lehigh.edu
Subject: [133775] FS: MFJ 9020
Message-ID: <16.2491ddf0.2aa12c46@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For sale, excess to my needs, an MFJ 9020 20 meter CW only QRP transciever, one owner, newer model (detent in RIT), good condition, never driven over 20 WPM, \$85 plus shipping.

72
Mike NA1XX
North Weymouth MA

Date: Fri, 30 Aug 2002 14:30:49 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Fred Lesnick <flesnick@tbaytel.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133776] Re: 30 meter noise
Message-ID: <Pine.LNX.4.44.0208301429240.3746-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It is two stations using Pactor to transfer e-mail from on station to another. Listen long enough and you will hear a cw id at 20 wpm...

On Fri, 30 Aug 2002, Fred Lesnick wrote:

> The noise that sounds like a chain saw buzzing.....
> Hear that at 1745 z....
>
> Fred
> VE3FAL
>
> Wayne AA5JJ wrote:
> >
> > There is some kinda data transmissoin on 10.130 can
> > anyone thell me what this is ?
> >
> > 73 Wayne
> >
> > -----
> > Do You Yahoo!?
> > Yahoo! Finance - Get real-time stock quotes
> > <http://finance.yahoo.com>
>

--
72, Karl K5DI

- - - - -

| | | _ _|| \ | | | | | \ \ /
| | _ | | | . ' | | | _ | | > <
| _ _ | _ | | \ \ \ _ _ _ / / _ \ \

Date: Fri, 30 Aug 2002 13:33:42 -0700
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133777] 15 M open to Europe from much of USA
Message-ID: <003501c25064\$8908c440\$493ecd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just worked OM5XX on 15m SSB at approx 2000z, 8/30/2002. Also copied 7X2AN, GI4WXA, and an SP but none of the others could hear me.

I could hear stations in Indiana, Colorado, North Carolina, etc., also working Europe -- so propagation is (or by now, perhaps WAS) open.

Rig FT-817, with 5W. Antenna: Force 12 C4SXL (2-elements on 15) up approx 50-feet.

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Fri, 30 Aug 2002 13:37:23 -0700
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Alan Fryer" <n3bj@hotmail.com>, <qrp-l@lehigh.edu>
Cc: <Elecraft@mailman.qth.net>
Subject: [133778] Re: K2 wins CQWW (Was Slightly OT: K2)
Message-ID: <003c01c25065\$0d120940\$493ecd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ALAN:
Congratulations! And congrats, too, to the K2 team.

If you read down the fine print far enough, you might find my call in 18th place, USA. Rig on this end an old IC-735 at 5W.

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Fri, 30 Aug 2002 20:39:48 +0000
From: k4vib@att.net
To: qrp-1@lehigh.edu
Subject: [133779] NORCAL Short wave Kit
Message-ID:
<20020830203949.ZEBY23721.mtiwmhc21.worldnet.att.net@webmail.worldnet.att.net>

What was the name of the NORCAL Shortwave kit that was recently offered?

Tnx,

Bill
K4VIB

Date: Fri, 30 Aug 2002 16:42:35 -0400
From: "Ken Wagner" <kewagner@ids.net>
To: <rod@n0rc.us>
Cc: <qrp-1@lehigh.edu>
Subject: [133780] Re: TS help Needed: Microphonic Rock-Mite
Message-ID: <002201c25065\$c68af670\$7ce7fea9@kenw2k>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Rod:

I finished my 20m RM last Sunday (Got it from Dave at Boxboro convention/hamfest) and notice the same thing. I have not done any troubleshooting, 'cuz electronics design is not one of my strengths. Mine only puts out 250-300mw in the original state. I put a 2n3053 in and paralleled R18 with a 10 ohm and now the power out is up to 350mw. My 40m RM puts out 550mw in the original state. Go figure!! Must be that muscle-bound guy on the front of the 40m Altoids tin.<g>

GL

73, Ken K3IU

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.us>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, August 30, 2002 2:55 PM

Subject: TS help Needed: Microphonic Rock-Mite

| Folks,

| I just finished building a 20m Rock-Mite. Unfortunately it has
| an annoying microphonic characteristic. When the case is taped a
| loud ringing artifact is heard in the headphones. I've never
| experienced this with solid state gear. (have noticed it in tube
| gear over the years)

| I'm at my wits end trying to isolate it. I think it is the
| oscillator XTAL, because: When I kill the OSC by grounding the
| base of Q4 (LO XSTR), the noise will not occur. Sound reasonable?
| Any other ideas to trouble shoot such a thing?

| Other than that, the rig works great, 500+ mW at ~14059 and
| ~14060, and the RX hears well. If I make the ARS Sprint MON
| night I'll be using this rig.

| 73, Rod N0RC

Date: Fri, 30 Aug 2002 16:23:54 -0500

From: "George, W5YR" <w5yr@att.net>

To: Bill Coleman <aa4lr@arrl.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [133781] Re: 88 foot dipole >?<

Message-ID: <3D6FE26A.1DBE5776@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

And a proper question that is, Bill . . .

I thought I made it clear that I was first talking about free-space
patterns - second sentence, second para quoted below. That is pretty high .
. .

I then qualified that with the statement in the third sentence that the gain *approaches* 3 dBd when mounted closer to Earth.

I can send you the EZNEC file for the my EDZ and you can see for yourself what the model predicts. If you will take my word for it, though, - the main results of the model are these:

88 ft 20-meter EDZ with ends at 30 ft and center at 33 ft (about 1/2-wavelength on 20 meters) center-fed with 30 ft of 450-ohm ladderline to a W2DU 1:1 current balun to 13.5 ft of RG-213 coax to MFJ 989C tuner.
Frequency: 14.06 MHz

Predicted gain in max broadside lobes = 9.91 dBi at an elevation angle of 30 degrees

Predicted driving-point impedance = 174-j824 ohms

SWR in 450-ohm line = 11.5:1

The results for a 33 ft dipole in the same location are these:

Predicted gain in max broadside lobes = 6.83 dBi at an elevation angle of 30 deg

Predicted driving-point impedance = 70 -j29 ohms

SWR in 450-ohm line = 6.4:1

Comparing the two, we see that the predicted gain of the EDZ is 3.08 dB higher than that of the dipole with both in the same location and height above real ground.

I have no idea why LB used such an unrealistic (for most of us!) height above ground - 100 ft - for his analysis of the 20-meter EDZ, but these model results demonstrate that an EDZ at the usual 1/2-wavelength above ground can deliver approximately the 3 dBd claimed for it.

I note that you had no comments about the other merits of the EDZ which I mentioned. Maybe those come later? <:}

73/72, George

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

Amateur Radio W5YR - the Yellow Rose of Texas

In the 57th year and it just keeps getting better!

Bill Coleman wrote:

>

> On 8/29/02 5:24 PM, George, W5YR at w5yr@att.net wrote:

>
> >As always, Bill gave out the straight poop. I would add just three
> >advantages that I have found for the 88 ft dipole and its bigger brother
> >the 176 ft dipole, both center-fed with ladderline.
> >
> >First, those lengths form 1.25 wavelength antennas on 20 and 40
> >respectively. The free-space radiation pattern on those bands with those
> >lengths is such that the main side lobes offer a gain of about 3 dB over a
> >half-wave dipole. In the real world, mounted closer to the Earth than any of
> >us would prefer, they still provide broadside gain approaching 3 dB
> >relative to a dipole in the same location.
>
> I'm gonna pick on George a minute.
>
> We talk about these 88 foot or 176 foot or 44 foot dipoles. But, again,
> the single most important dimension about a horizontal dipole isn't it's
> length. It's the height above ground in wavelengths.
>
> So, George, before we talk about dipoles having a particular pattern, or
> having lobes with gain -- we should state how high they are.
>
> Exactly how high is that 176 foot dipole? To follow LB Cebiks models for
> patterns on 40m (the 88 foot variety on 20m), it would have to be 200
> feet high! (scaled from the 88 foot variety at 100 feet).
>
> Very few amateurs have supports that high. And any antenna on 40m at 200
> feet is going to work pretty well.
>
> So, from now on, whenever anyone makes a claim about horizontal dipoles
> (of any length), I'm going to ask them how high that dipole is....
>
> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
> -- Wilbur Wright, 1901

Date: Fri, 30 Aug 2002 17:20:01 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: k4vib@att.net,
 Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133782] Re: NORCAL Short wave Kit
Message-ID: <002901c2506b\$00323b90\$6401a8c0@Home>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Nor'Easter

John Harper AE5X
Outdoor QRP: <http://www.ae5x.com>

----- Original Message -----

From: <k4vib@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 30, 2002 4:39 PM
Subject: NORCAL Short wave Kit

> What was the name of the NORCAL Shortwave kit that was
> recently offered?
>
> Tnx,
>
> Bill
> K4VIB

Date: Fri, 30 Aug 2002 17:43:49 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133783] QRP Afield
Message-ID: <3D6FAED5.26832.6E91B4C@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Hope a lot of QRPers are planning to get on the QRP Afield. This is one of my 2 favorites, the other being QRP to the Field.

This year, the XYL will be visiting her Mother in Oregon, so I'll stick close to home as I need to take care of the furry and feathered critters. Probably set up in the back yard with the K1 and the standard 100' Zepp. That way I'm close to the Microwave and Refrigerator, too.

Hope the propagation is good, as well as the weather.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W) (2) (A) (G) (N) <http://www.w2agn.net>

_/ _/ _/ _/ _/ QRPARCI, NJQRP, ARQrp,GQRP,RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Fri, 30 Aug 2002 17:57:18 -0400
From: Dave Richards <wr3i@earthlink.net>
To: w2agn@w2agn.net,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133784] Re: QRP Afield
Message-ID: <5.1.1.6.2.20020830175633.009f4950@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I will be there if I am not too tired after the ARRL VHF contest
Dave
WR3I

At 05:43 PM 8/30/2002 -0400, W2AGN wrote:
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>my 2 favorites, the other being QRP to the Field.
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>Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Fri, 30 Aug 2002 17:39:26 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@lehigh.edu
Subject: [133785] Re: Steath Twinlead??
Message-ID: <20020830.175432.8974.2.kc8aon@juno.com>

Someone needs to stat making artificial trailing ivy that is actually a
balanced feed line ! One could run it along the top of a wooden fence
and no one would know its real purpose ! Or just use a single strand of

it for a random wire antenna. I've seen the artificial stuff with wire inside it and thought about it, but where I live the cows dont care how much wire you put up !

Rick McKee, KC8AON
Willow Wood, Ohio
QRP- do more with less !
QRP-L #2112, FPqrp #33, AR QRP #269

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Date: Fri, 30 Aug 2002 18:45:05 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: San Rotter <rotter@ieee.org>
Cc: qrp-l@lehigh.edu
Subject: [133786] Re: Tunable BFO fer Nor'Easter SWL rx
Message-ID: <3.0.6.32.20020830184505.007c0830@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I wonder how far one could tune a BFO fer the Nor'Easter SWL rx?

San,

I'm copying this to the list as your not the first to ask about this and there's probably others thinking about it.

The Nor'Easter uses a diode detector with a slight forward bias to improve sensitivity. The IF amp is a high gain cascade circuit. I'm not sure if injecting a BFO will work with this set up. Probably just saturate the IF amp. Chances are you will have to add a real product detector for it to work.

But the real kicker will probably be PLL phase noise. A 5 KHz loop filter tends to be noisy, in order to keep the lock time reasonable. For AM reception, a modest amount of phase noise isn't noticable, but for CW and possibly even for SSB, it will be unacceptable.

You are of course welcome to try, but this receiver was never intended to be used for CW reception and the chances are it will not work well or at all in that application.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 30 Aug 2002 19:42:35 -0400 (EDT)
From: <n2go@arrl.net>
To: <qrp-l@lehigh.edu>
Subject: [133787] N connector ?
Message-ID: <Pine.LNX.4.33.0208301938420.376-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Does anyone know if these exist?

90degree elbow with N plug on both ends

or

Bulk head N connector with plug on it instead of a socket.

73,

Jim n2go

Date: Fri, 30 Aug 2002 18:52:36 -0400
From: Victor Dively <kg4htt@juno.com>
To: qrp-l@lehigh.edu
Subject: [133788] Re: ANTENNAS, LOOP CONSTRUCTION/JOINTS
Message-ID: <20020830.185238.-188809.0.kg4htt@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks to all for the advice and methods... My antenna needs to be built in the attic, so it will be more difficult to assemble/solder than in a workshop. It appears that the safest bet is to go with continuous copper if possible.... I checked at Home Depot, and I can get .875 inch OD copper refrigerator tubing in 60 ft. lengths, and 1/2 inch and 5/8 inch tubing in various lengths. While that will be a bit of a bear to snake around the rafters while standing on the joists, I think it will be a

little easier than soldering/brazing in the attic... So I hope to have a fun weekend project getting this set up.

Thanks again to all.

Vic
KG4HTT

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End of QRP-L Digest 2663

